PARADIGM
ENVIRONMENTAL SERVICES, INC.

December 31, 1997

Mr. Frederick J. Iekel
Monroe County Division of Engineering
350 East Henrietta Road
Rochester, New York 14620-4643

Dear Mr. Iekel:

This is in response to your recent request for clarification of two items on Paradigm Environmental Services Asbestos Survey of the Iola Campus dated November 19, 1997.

In the conclusion section of the Paradigm Survey Report for each building it should be noted that all asbestos containing materials known to date are included in this report.

As for the assumption contained within the cost estimates; these cost estimates were based on the assumption that each building would be vacated and abated independently. However, it should be noted that if Monroe County elects to abate on a smaller scale the cost in all probability would increase accordingly, based on the scope of work.

Once a decision is made by Monroe County concerning the abatement projects i.e. size and scope of work, Paradigm Environmental Services, Inc. would be pleased to provide you with cost estimates for asbestos abatement based on the scope of work.

If you should have any further questions or concerns, please feel free to contact me at (716) 647-2530.

Sincerely,

Joseph Festa
Vice President, Marketing

179 LAKE AVENUE • ROCHESTER, NY 14608 • (716) 647-2530

PARADIGM Environmental ervices, Inc.

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Tunnel's, 350 East Henrietta Road, Rochester, New York
Job Number: 77320
Sample Date: 11/24/97
Page Number: 2 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
MJP-A.1	84877	Tunnel E	White Fibrous Mud Joint Packing	Chrysotile 32%	32%		None Detected	68%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
Analyst: *Mary Dohr*

Laboratory Results Approved By: M. Dohr

File ID: Iolatunn.xls

PARADIGM
ENVIRONMENTAL SERVICES, INC.

December 31, 1997

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Monroe County Division of Engineering
350 East Henrietta Road
Rochester, New York 14620-4643

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This is in response to your recent request for clarification of two items on Paradigm Environmental Services Asbestos Survey of the Iola Campus dated November 19, 1997.

In the conclusion section of the Paradigm Survey Report for each building it should be noted that all asbestos containing materials known to date are included in this report.

As for the assumption contained within the cost estimates; these cost estimates were based on the assumption that each building would be vacated and abated independently. However, it should be noted that if Monroe County elects to abate on a smaller scale the cost in all probability would increase accordingly, based on the scope of work.

Once a decision is made by Monroe County concerning the abatement projects i.e. size and scope of work, Paradigm Environmental Services, Inc. would be pleased to provide you with cost estimates for asbestos abatement based on the scope of work.

If you should have any further questions or concerns, please feel free to contact me at (716) 647-2530.

Sincerely,

Joseph Festa
Vice President, Marketing

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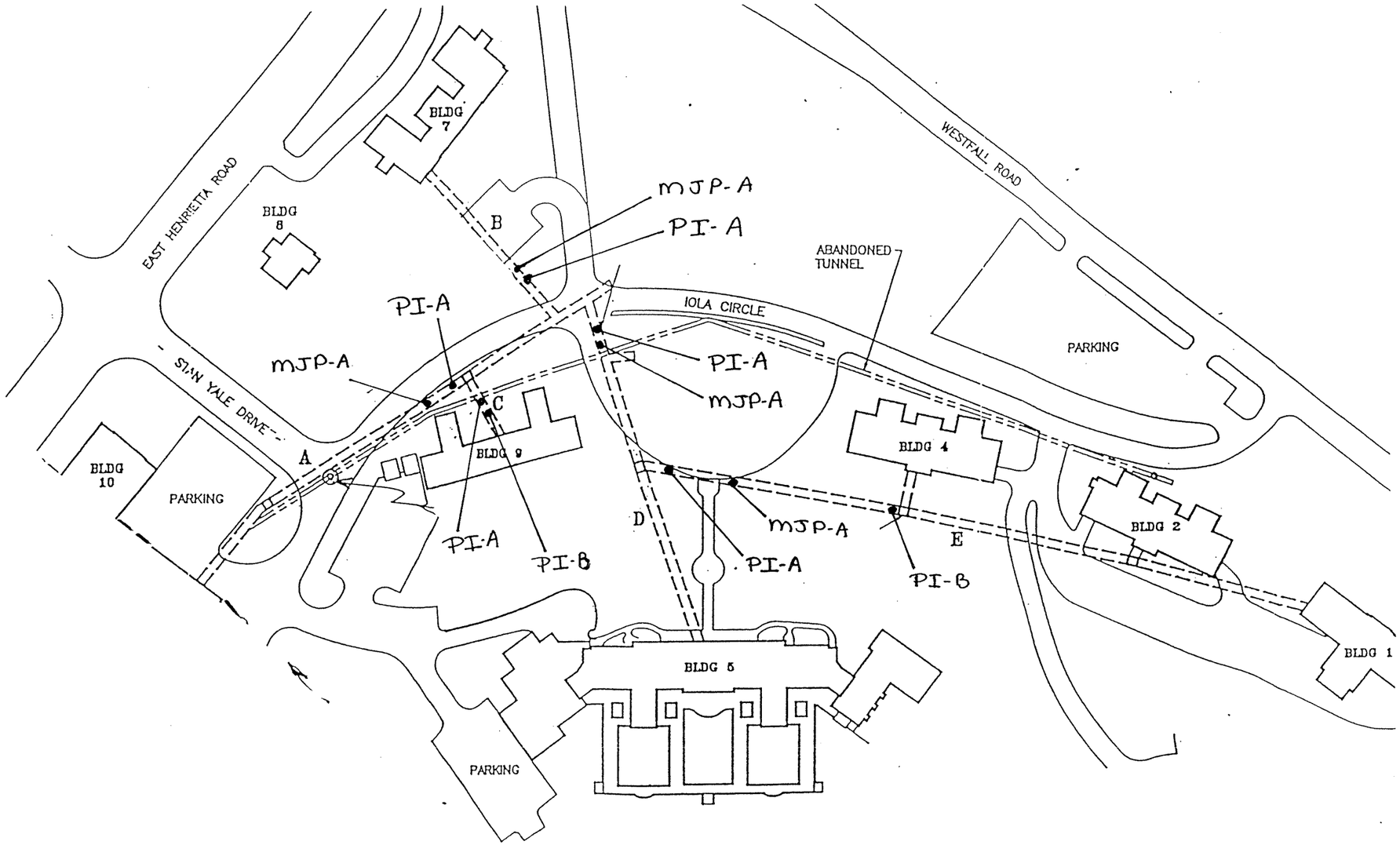
SECTION V
LABORATORY REPORTS



TUNNELS
A, B, C, D, E

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997

SECTION IV
DRAWINGS

TUNNELS A, B, C, D, & E

Tunnel A		
White Pipe Insulation	1,305	linear feet
White Mudded Joint Packing	80	linear feet
Tunnel B		
White Pipe Insulation	820	linear feet
White Mudded Joint Packing	30	linear feet
Tunnel C		
White Pipe Insulation	350	linear feet
White/Grey Pipe Insulation	80	linear feet
Tunnel D		
White Pipe Insulation	980	linear feet
White Mudded Joint Packing	40	linear feet
Tunnel E		
White Pipe Insulation	1,800	linear feet
White Mudded Joint Packing	10	linear feet

Total Asbestos Containing Materials in Tunnels A-E:

White Pipe Insulation:	**5,255**	**linear feet**
White/Grey Pipe Insulation:	**80**	**linear feet**
White Mudded Joint Packing:	**160**	**linear feet**

Paradigm certifies that this report is based on Paradigm's observations and believes it to be an accurate representation of the conditions as they existed on November 24-December 4, 1997.

*All quantities are approximations.

The 1989 Survey disclosed approximately 8,000 linear feet of ACM pipe insulation in the Tunnels. Paradigm has calculated that approximately 5,500 linear feet of ACM pipe insulation is remaining in Tunnels A, B, C, D, & E.

Total square/linear footage of asbestos containing materials

Pipe insulation and Mudded Joint Packing:	5,495	linear feet

Total cost estimate for asbestos abatement

Pipe Insulation and Mudded Joint Packing:	$82,500

The following pages summarize the materials that were found to be asbestos containing in Tunnels A, B, C, D, & E of the Iola Campus.

IOLA CAMPUS
TUNNELS A, B, C, D, & E
ROCHESTER, NEW YORK

CONCLUSIONS

An asbestos survey was conducted by Paradigm Environmental Services, Inc. at the Iola Campus, Tunnels A, B, C, D, & E, Rochester, New York on November 24 - December 4, 1997. The purpose of the survey was to identify the approximate locations and quantities of asbestos containing materials.

A walkthrough of the building was conducted by Paradigm inspectors and a suspect list of materials that may contain asbestos was compiled from observations, notes, and drawings. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

For reporting, classification, and handling, the following rules were applied: Individual layers of aggregate materials containing one or more layers (such as floor tile and mastic) are analyzed as separate samples. However, if one layer is determined positive for asbestos, all subsequent layers are classified as ACM due to the necessity of handling all layers as a single system during removal activities or other disturbances. Friable materials are classified ACM when confirmed positive by polarized light microscopy (PLM). Non-friable organically bound materials (NOB) are classified ACM when confirmed positive by PLM. NOB materials are classified as non-asbestos containing materials when tested negative by PLM and confirmed negative by subsequent transmission electron microscopy (TEM) analysis. In the absence of confirmatory TEM testing, NOB materials must be classified and handled as asbestos containing.

Paradigm reviewed the **1996 Labeling of Asbestos Insulation and Update of 1989 Asbestos Survey Report** provided by Monroe County and noted the following:

The Paradigm's inspectors concur with the condition of pipe insulation as noted in the May, 1996 labeling and inspection survey: the tunnel pipe insulation remains in good condition, with the exception of exposed pipe ends that were previously noted in need of wet wrap.

Paradigm reviewed the **1995 Condition of Iola Campus Utility Tunnels Report** provided by Monroe County and noted the following:

The report refers to conditions of tunnel structural components only. There are no connotations regarding asbestos containing materials or their condition. Paradigm Environmental Services, Inc. regards the above report inconclusive due to the lack of reference to asbestos containing materials data.

Paradigm reviewed the **1989 Survey of the County Building Report** provided by Monroe County and noted the following:

SECTION III
CONCLUSIONS

IOLA CAMPUS
TUNNELS A, B, C, D, & E
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for reference to the Iola Campus, Tunnels A, B, C, D, & E, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations of suspect asbestos containing materials within the building was subject to the accessibility of individual areas or spaces. Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

Paradigm assumes no liability for any buildings not identified by the client that may fall under state or federal regulations.

SECTION II
LIMITATIONS

IOLA CAMPUS
TUNNELS A, B, C, D, & E
ROCHESTER, NEW YORK

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the County of Monroe on November 24-December 4, 1997 to conduct an inspection for the detection of asbestos containing materials located the Iola Campus, Tunnels A, B, C, D, & E, 350 East Henrietta Road, Rochester, New York.

Paradigm Environmental Services Inc.'s inspectors Paul Mahoney, inspector #AH 88-10022, Richard Merlau, inspector #AH-92-00699, and Shawn House, inspector #88-06583, conducted this inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to identify approximate locations and quantities of asbestos containing materials located within the Iola Campus, Tunnels A, B, C, D, & E, Rochester, New York.

An initial walkthrough of the area requiring inspection was conducted by experienced inspectors who observed and recorded many of the materials used in the construction of the building. The inspector proceeded by assessing floor, wall, ceiling materials, surfacing materials, thermal systems insulation, roofing materials and miscellaneous materials. The inspection was organized and approached systematically to observe, record, and prepare a list of building materials that are suspected to contain asbestos.

The inspectors selected materials for inclusion in this report through an understanding of the historical uses of asbestos and the experience of the Paradigm staff. Generally, if a building material within a structure could contain asbestos, the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross referenced to prepared sketches. Individual samples were also recorded on a chain of custody document.

Samples were individually preserved within a container and transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples - New York State Department of Health, ELAP Method 198.1 ("Polarized Light Microscopy Methods for identifying and quantitating asbestos in bulk samples").

SECTION I
INTRODUCTION

IOLA CAMPUS
TUNNELS A, B, C, D, & E
ROCHESTER, NEW YORK

TABLE OF CONTENTS

TUNNELS A, B, C, D, & E

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

T.E.M. Results

Client: County of Monroe
Location: Iola Complex, Building 10, 350 East Henrietta Road, Rochester, New York

Job No: 77381
Sample Date: 11/25/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	TEM Analysis: Total Asbestos	TEM Analysis: Asbestos Type
CTM-A.1	85380	Third Floor, Conference Room	Brown Ceiling Tile Mastic **from Sample 85379**	<1.0%	None Detected
FT-A.1	85384	Northeast Stair Tower	Grey 12" x 12" Floor Tile	<1.0%	None Detected
FTM-A.1	85385	Northeast Stair Tower	Black Fibrous Floor Tile Mastic **from Sample 85384**	<1.0%	None Detected
CMF-A.1	85386	First Floor, Break Room	Yellow Carpet Mastic on Floor	<1.0%	None Detected
SV-A.1	85387	First Floor, Room 301	Brown Sheet Vinyl	<1.0%	None Detected
SVM-A.1	85388	First Floor, Room 301	Tan Sheet Vinyl Mastic from **Sample 85387**	<1.0%	None Detected
SV-B.1	85389	First Floor, Room 306	Tan Flower Pattern Fibrous Sheet Vinyl	<1.0%	None Detected
SVM-B.1	85390	First Floor, Room 306	Black Sheet Vinyl Mastic from **Sample 85389**	<1.0%	None Detected
CMM-A.1	85026	First Floor, Men's Rest Room	Tan Cove Molding Mastic	<1.0%	None Detected

ELAP ID No.: 10920

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.
N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY AMA ANALYTICAL SERVICES, INC.

Date Analyzed: 12/4/97, 12/10/97
Analyst: *Andreas Saldivar, Luis Bustillos*

Laboratory Results Approved By:

File ID: IolaB10.XLS

PARADIGM
Environmental
:rvices, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

LAYERS IN ONE SAMPLE ONE LAYER POSITIVE WHOLE SAMPLE CONSIDERED POSITIVE

Client: County of Monroe
Location: Iola Complex, Building 10, 350 East Henrietta Road, Rochester, New York
Job Number: 77578
Sample Date: 12/2/97

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
Roof-A.1a	87874	Roof	Black Fibrous Roofing Felts	None Detected	0%	*	Cellulose 38%	62%
Roof-A.1b	87875	Roof	Black Fibrous Roofing Felts	Chrysotile 14%	14%		Cellulose 39%	47%
Roof-A.1c	87876	Roof	Black Fibrous Roofing Felts	None Detected	0%	*	Cellulose 52%	48%
Roof-A.1d	87877	Roof	Black Fibrous Roofing Felts	None Detected	0%	*	Cellulose 43%	57%
Roof-A.1e	87878	Roof	Brown Fibrous Roofing Insulation	None Detected	0%		Cellulose 92%	8%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/4/97
Microscope: Olympus BH-2 #235757
Analyst: *Mary Dohr*

Laboratory Results Approved By: M. Dohr

File ID: IolaB10.XLS

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 10, 350 East Henrietta Road, Rochester, New York
Job Number: 77341
Sample Date: 11/25/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
CMM-A.1	85026	First Floor, Men's Rest Room	Tan Cove Molding Mastic	None Detected	0%	*	None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: _____

File ID: IolaB10.XLS

PARADIGM
Environmental
rvices, Inc.

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 10, 350 East Henrietta Road, Rochester, New York
Job Number: 77381
Sample Date: 11/25/97
Page Number: 2 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
CMF-A.1	85386	First Floor, Break Room	Yellow Carpet Mastic on Floor	None Detected	0%	*	None Detected	100%
SV-A.1	85387	Third Floor, Room 301	Brown Sheet Vinyl	None Detected	0%	*	None Detected	100%
SVM-A.1	85388	Third Floor, Room 301	Tan Sheet Vinyl Mastic from **Sample 85387**	None Detected	0%	*	Cellulose 8%	92%
SV-B.1	85389	Third Floor, Room 306	Tan Flower Pattern Fibrous Sheet Vinyl	None Detected	0%	*	Cellulose 38%	62%
SVM-B.1	85390	Third Floor, Room 306	Black Sheet Vinyl Mastic from **Sample 85389**	None Detected	0%	*	Cellulose 6%	94%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/28/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: _____

File ID: IolaB10.XLS

PARADIGM
Environmental
ervices, Inc.

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 10, 350 East Henrietta Road, Rochester, New York
Job Number: 77381

Sample Date: 11/25/97

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PI-A.1	85376	First Floor, Break Room	White Fibrous Pipe Insulation	Chrysotile 5%	5%		None Detected	43%
PI-B.1	85377	First Floor, Break Room	Yellow Fibrous Pipe Insulation	None Detected	0%		Mineral Wool 100%	0%
SCT-A.1	85378	First Floor, Break Room	White Fibrous 2' x 4" Suspended Ceiling Tile	None Detected	0%		Cellulose 60% Mineral Wool 20%	20%
ACT-A.1	85379	Third Floor, Conference Room	White Fibrous 2' x 4" Adhered Ceiling Tile	None Detected	0%		Cellulose 53% Mineral Wool 21%	26%
CTM-A.1	85380	Third Floor, Conference Room	Brown Ceiling Tile Mastic **from Sample 85379**	None Detected	0%	*	Cellulose 4%	96%
P-A.1	85381	First Floor, Men's Restroom	White/Grey Fibrous Plaster	None Detected	0%		Wood Fiber 22%	78%
WS-A.1	85382	First Floor, Men's Locker Room	White Fibrous Wall System, Drywall, & Spackle	None Detected	0%		Cellulose 14%	86%
WG-A.1	85383	Third Floor, Conference Room	White Window Glaze	None Detected	0%		None Detected	100%
FT-A.1	85384	Northeast Stairtower	Grey 12" x 12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-A.1	85385	Northeast Stairtower	Black Fibrous Floor Tile Mastic **from Sample 85384**	None Detected	0%	*	Cellulose 10%	90%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

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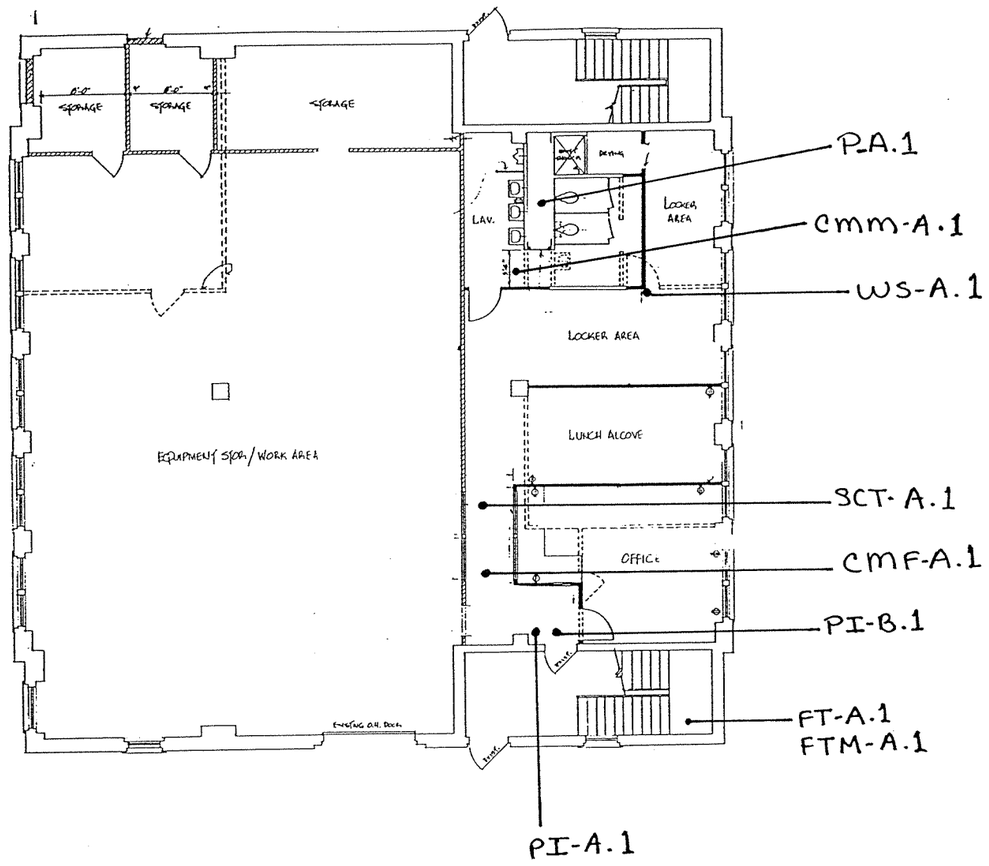
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/28/97
Microscope: Olympus BH-2 #232953
Analyst: *Patrick Fitzgerald*

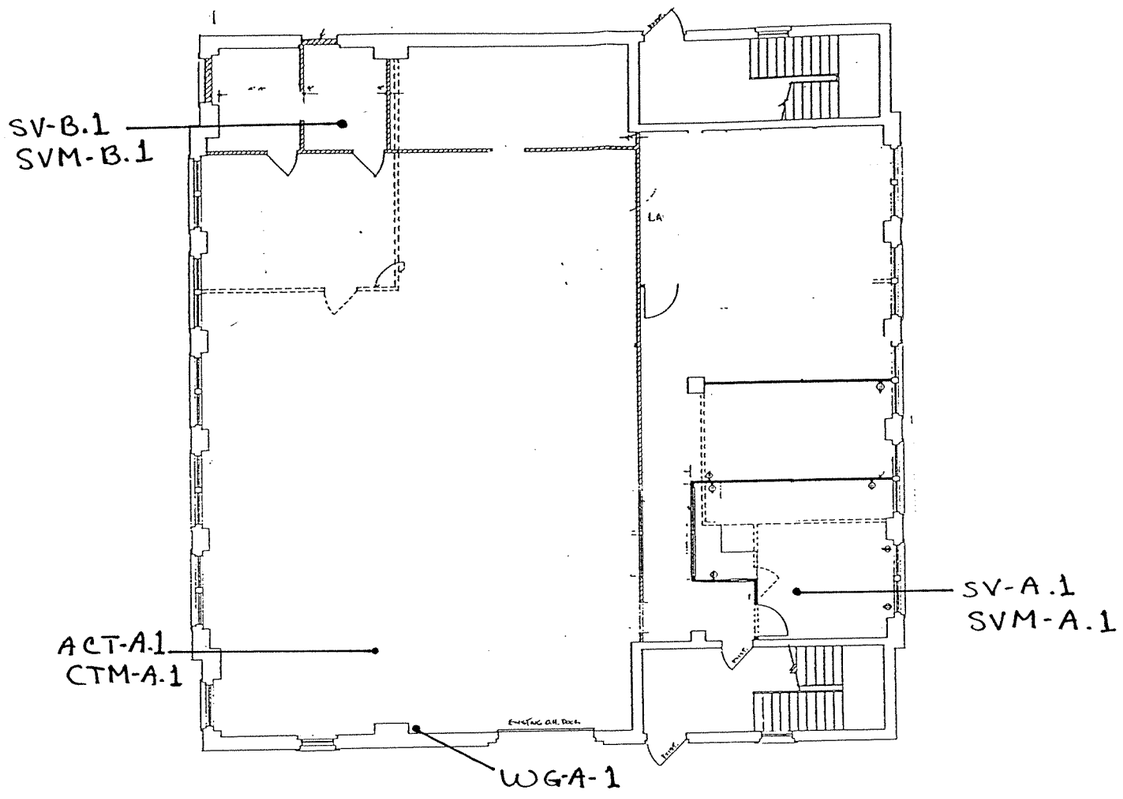
Laboratory Results Approved By: M. Dohr

File ID: IolaB10.XLS

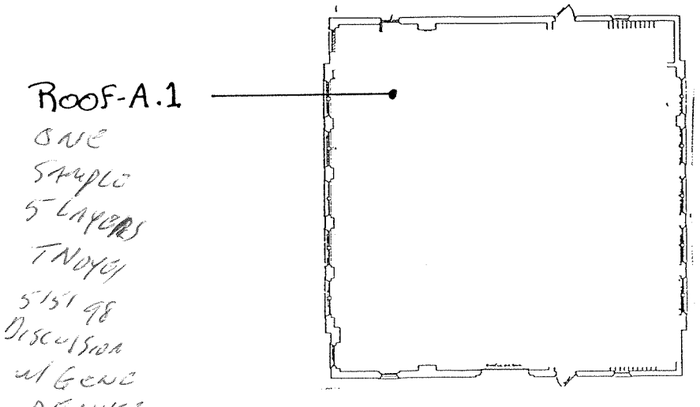
SECTION V
LABORATORY REPORTS



BUILDING 10
FIRST FLOOR



BUILDING 10
THIRD FLOOR



BUILDING 10
ROOF

BUILDING 10
DOT

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997

SECTION IV
DRAWINGS

1ST FLOOR

Break Room		
White Pipe Insulation	80	linear feet
Equipment Storage/Work Area		
White Pipe Insulation	135	linear feet
Locker Room		
White Pipe Insulation	50	linear feet
Rest Room		
White Pipe Insulation	60	linear feet
Storage Room #1		
White Pipe Insulation	60	linear feet
Storage Room #2		
White Pipe Insulation	40	linear feet
Storage/Office		
White Pipe Insulation	40	linear feet

Total Asbestos Containing Materials on the 1st Floor:

White Pipe Insulation:	**465**	**linear feet**

ROOF

Roof		
Black Roofing Felts	1,120	square feet

Total Asbestos Containing Materials on the Roof:

Black Roofing Felts:	**1,120**	**square feet**

Paradigm certifies that this report is based on Paradigm's observations and believes it to be an accurate representation of the conditions as they existed on November 24-December 4, 1997.

*All quantities are approximations.

Of those materials sampled, Paradigm noted asbestos containing pipe insulation as stated on the 1989 report; however, the following additional materials are to be classified as ACM per the 1997 survey:

Roofing Materials

Total square/linear footage of asbestos containing materials

Pipe Insulation:	465	linear feet
Roofing Felts:	1,120	square feet

Total cost estimate for asbestos abatement

Pipe Insulation:	$7,000
Roofing Felts:	$4,500

The following pages summarize the materials that were found to be asbestos containing in Building 10.

IOLA CAMPUS
BUILDING 10
DOT - HIGHWAY
ROCHESTER, NEW YORK

CONCLUSIONS

An asbestos survey was conducted by Paradigm Environmental Services, Inc. at the Iola Campus, Building 10, Rochester, New York on November 24 - December 4, 1997. The purpose of the survey was to identify the approximate locations and quantities of asbestos containing materials.

A walkthrough of the building was conducted by Paradigm inspectors and a suspect list of materials that may contain asbestos was compiled from observations, notes, and drawings. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

For reporting, classification, and handling, the following rules were applied: Individual layers of aggregate materials containing one or more layers (such as floor tile and mastic) are analyzed as separate samples. However, if one layer is determined positive for asbestos, all subsequent layers are classified as ACM due to the necessity of handling all layers as a single system during removal activities or other disturbances. Friable materials are classified as ACM when confirmed positive by polarized light microscopy (PLM). Non-friable organically bound materials (NOB) are classified as ACM when confirmed positive by PLM. NOB materials are classified as non-asbestos containing materials when tested negative by PLM and confirmed negative by subsequent transmission electron microscopy (TEM) analysis. In the absence of confirmatory TEM testing, NOB materials must be classified and handled as asbestos containing.

Paradigm inspectors noted asbestos containing pipe insulation located in the attic to be in poor condition.

Paradigm reviewed the **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey** provided by Monroe County and noted the following:

The **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey Report** refers to the Steam Tunnels, Power House, and Building 5 only.

Paradigm cannot compare the 1996 Asbestos Survey to this survey due to the fact that Building 10 was not included in the 1996 report.

Paradigm reviewed the **1989 Survey of the County Buildings Report** provided by Monroe County and noted the following:

The 1989 Survey of the County Buildings Report was incomplete in regard to the number of types of materials tested in the interior and exterior of Building 10. The 1989 survey included sampling and analysis of pipe insulation and ceiling tiles only. This survey includes sampling and analysis of additional possible asbestos containing material types.

SECTION III
CONCLUSIONS

IOLA CAMPUS
BUILDING 10
DOT - HIGHWAY
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for reference to the Iola Campus, Building 10, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations of suspect asbestos containing materials within the building was subject to the accessibility of individual areas or spaces. Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

Paradigm assumes no liability for any buildings not identified by the client that may fall under state or federal regulations.

SECTION II
LIMITATIONS

IOLA CAMPUS
BUILDING 10
DOT - HIGHWAY
ROCHESTER, NEW YORK

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the County of Monroe on November 24-December 4, 1997 to conduct an inspection for the detection of asbestos containing materials located the Iola Campus, Building 10, 350 East Henrietta Road, Rochester, New York.

Paradigm Environmental Services Inc.'s inspectors Paul Mahoney, inspector #AH 88-10022, Richard Merlau, inspector #AH-92-00699, and Shawn House, inspector #88-06583, conducted this inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to identify approximate locations and quantities of asbestos containing materials located within the Iola Campus, Building 10, Rochester, New York.

An initial walkthrough of the area requiring inspection was conducted by experienced inspectors who observed and recorded many of the materials used in the construction of the building. The inspector proceeded by assessing floor, wall, ceiling materials, surfacing materials, thermal systems insulation, roofing materials and miscellaneous materials. The inspection was organized and approached systematically to observe, record, and prepare a list of building materials that are suspected to contain asbestos.

The inspectors selected materials for inclusion in this report through an understanding of the historical uses of asbestos and the experience of the Paradigm staff. Generally, if a building material within a structure could contain asbestos, the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross referenced to prepared sketches. Individual samples were also recorded on a chain of custody document.

Samples were individually preserved within a container and transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples - New York State Department of Health, ELAP Method 198.1 ("Polarized Light Microscopy Methods for identifying and quantitating asbestos in bulk samples").

SECTION I
INTRODUCTION

IOLA CAMPUS
BUILDING 10
DOT - HIGHWAY
ROCHESTER, NEW YORK

TABLE OF CONTENTS

BUILDING #10
DEPARTMENT OF TRANSPORTATION - HIGHWAY

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

T.E.M. Results

Client: County of Monroe
Location: Iola Complex, Building 9, 350 East Henrietta Road, Rochester, New York

Job No: 77401
Sample Date: 11/26/97

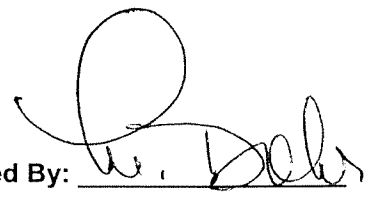
				TEM Analysis	
Client ID	**Lab ID**	**Sampling Location**	**Description**	**Total Asbestos**	**Asbestos Type**
CMM-A.1	85498	First Floor, Center Wing	Brown Cove Molding Mastic	<1.0%	Trace Chrysotile
FT-A.1	85499	First Floor, Center Wing	Cream 12"x12" Floor Tile	33%	Chrysotile
FTM-A.1	85500	First Floor, Center Wing	Black Fibrous Floor Tile Mastic from **Sample 85499**	2.5%	Chrysotile
WC-A.1	85505	Exterior Windows	White Window Caulk	<1.0%	None Detected

ELAP ID No.: 10920

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.
N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY AMA ANALYTICAL SERVICES, INC.

Date Analyzed: 12/4/97, 12/10/97
Analyst: *Andreas Saldivar, Luis Bustillos*

Laboratory Results Approved By: 

File ID: Iolab9.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 9, 350 East Henrietta Road, Rochester, New York
Job Number: 77578

Sample Date: 12/2/97
Page Number: 1 of 1

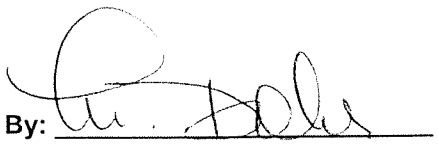
Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
Roof-A.1a	87871	Roof	Black Fibrous Roofing Felts	Chrysotile 7%	7%		Cellulose 43%	50%
Roof-A.1b	87872	Roof	Black with Grey Stones Fibrous Roofing Felts	None Detected	0%	*	Cellulose 36%	64%
Roof-A.1c	87873	Roof	Black with White Stones Fibrous Roofing Felts	Chrysotile 3%	3%		Cellulose 43%	54%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/4/97
Microscope: Olympus BH-2 #235757
Analyst: *Mary Dohr*

Laboratory Results Approved By: 

File ID: Iolab9.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 9, 350 East Henrietta Road, Rochester, New York
Job Number: 77401
Sample Date: 11/26/97
Page Number: 1 of 1

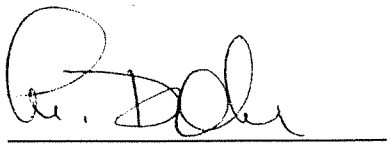
Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PI-A.1	85497	First Floor, Center Wing	Grey Fibrous Pipe Insulation	Chrysotile 44%	44%		Cellulose 21%	35%
CMM-A.1	85498	First Floor, Center Wing	Brown Cove Molding Mastic	None Detected	0%	*	None Detected	100%
FT-A.1	85499	First Floor, Center Wing	Cream 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-A.1	85500	First Floor, Center Wing	Black Fibrous Floor Tile Mastic from **Sample 85499**	None Detected	0%	*	Cellulose 12%	88%
SCT-A.1	85501	First Floor, Center Wing	White Fibrous 2'x4' Suspended Ceiling Tile	None Detected	0%		Cellulose 44% Mineral Wool 15%	41%
WS-A.1	85502	First Floor, South Wing Bathroom	White Fibrous Wall System Drywall, Spackle & Tape	None Detected	0%		Cellulose 15%	85%
P-A.1	85503	First Floor, North Wing	Grey Plaster Top Coat	None Detected	0%		None Detected	100%
P-B.1	85504	First Floor, North Wing	Grey Plaster Bottom Coat	None Detected	0%		Cellulose 5%	95%
WC-A.1	85505	Exterior Windows	White Window Caulk	None Detected	0%	*	None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/26/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: 

File ID: Iolab9.xls

SECTION V
LABORATORY REPORTS

SECTION IV
DRAWINGS

ROOF

Roof		
Black Roofing Felts	1,325	square feet

Total Asbestos Containing Materials on the Roof:

Black Roofing Felts:	**1,325**	**square feet**

Paradigm certifies that this report is based on Paradigm's observations and believes it to be an accurate representation of the conditions as they existed on November 24-December 4, 1997.

*All quantities are approximations.

BASEMENT

Basement

Cream 12" x 12" Floor Tile & Mastic	10	square feet
Grey Pipe Insulation	2	linear feet

Total Asbestos Containing Materials in the Basement:

Cream 12" x 12" Floor Tile & Mastic	**10**	**square feet**
Grey Pipe Insulation	**2**	**linear feet**

1ST FLOOR

Center Wing

Cream 12" x 12" Floor Tile & Mastic	715	square feet
Grey Pipe Insulation	10	linear feet

South Wing

Cream 12" x 12" Floor Tile & Mastic	45	square feet

Total Asbestos Containing Materials on the 1st Floor:

Cream 12" x 12" Floor Tile & Mastic:	**760**	**square feet**
Grey Pipe Insulation:	**10**	**linear feet**

ATTIC

Attic

Grey Pipe Insulation	250	linear feet

Total Asbestos Containing Materials in the Attic:

Grey Pipe Insulation:	**250**	**linear feet**

Of those materials sampled, Paradigm noted asbestos containing pipe insulation as stated on the 1989 report; however, the following additional materials are to be classified as ACM per the 1997 survey:

Floor Tile and Mastic
Roofing Materials

Total square/linear footage of asbestos containing materials

Pipe Insulation:	262	linear feet
Floor Tile and Mastic:	770	square feet
Roofing Materials:	1,325	square feet

Total cost estimate for asbestos abatement

Pipe Insulation:	$4,000
Floor Tile and Mastic:	$1,800
Roofing Materials:	$5,300

The following pages summarize the materials that were found to be asbestos containing in Building 9.

IOLA CAMPUS
BUILDING 9
M & C
ROCHESTER, NEW YORK

CONCLUSIONS

An asbestos survey was conducted by Paradigm Environmental Services, Inc. at the Iola Campus, Building 9, Rochester, New York on November 24 - December 4, 1997. The purpose of the survey was to identify the approximate locations and quantities of asbestos containing materials.

A walkthrough of the building was conducted by Paradigm inspectors and a suspect list of materials that may contain asbestos was compiled from observations, notes, and drawings. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

For reporting, classification, and handling, the following rules were applied: Individual layers of aggregate materials containing one or more layers (such as floor tile and mastic) are analyzed as separate samples. However, if one layer is determined positive for asbestos, all subsequent layers are classified as ACM due to the necessity of handling all layers as a single system during removal activities or other disturbances. Friable materials are classified as ACM when confirmed positive by polarized light microscopy (PLM). Non-friable organically bound materials (NOB) are classified as ACM when confirmed positive by PLM. NOB materials are classified as non-asbestos containing materials when tested negative by PLM and confirmed negative by subsequent transmission electron microscopy (TEM) analysis. In the absence of confirmatory TEM testing, NOB materials must be classified and handled as asbestos containing.

Paradigm inspectors noted asbestos containing pipe insulation located in the attic to be in poor condition.

Paradigm reviewed the **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey** provided by Monroe County and noted the following:

The **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey Report** refers to the Steam Tunnels, Power House, and Building 5 only.

Paradigm cannot compare the 1996 Asbestos Survey to this survey due to the fact that Building 9 was not included in the 1996 report.

Paradigm reviewed the **1989 Survey of the County Buildings Report** provided by Monroe County and noted the following:

The 1989 Survey of the County Buildings Report was incomplete in regard to the number of types of materials tested in the interior and exterior of Building 9. The 1989 survey included sampling and analysis of pipe insulation and ceiling tiles only. This survey includes sampling and analysis of additional possible asbestos containing material types.

SECTION III
CONCLUSIONS

IOLA CAMPUS
BUILDING 9
M & C
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for reference to the Iola Campus, Building 9, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations of suspect asbestos containing materials within the building was subject to the accessibility of individual areas or spaces. Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

Paradigm assumes no liability for any buildings not identified by the client that may fall under state or federal regulations.

SECTION II
LIMITATIONS

IOLA CAMPUS
BUILDING 9
M & C
ROCHESTER, NEW YORK

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the County of Monroe on November 24-December 4, 1997 to conduct an inspection for the detection of asbestos containing materials located the Iola Campus, Building 9, 350 East Henrietta Road, Rochester, New York.

Paradigm Environmental Services Inc.'s inspectors Paul Mahoney, inspector #AH 88-10022, Richard Merlau, inspector #AH-92-00699, and Shawn House, inspector #88-06583, conducted this inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to identify approximate locations and quantities of asbestos containing materials located within the Iola Campus, Building 9, Rochester, New York.

An initial walkthrough of the area requiring inspection was conducted by experienced inspectors who observed and recorded many of the materials used in the construction of the building. The inspector proceeded by assessing floor, wall, ceiling materials, surfacing materials, thermal systems insulation, roofing materials and miscellaneous materials. The inspection was organized and approached systematically to observe, record, and prepare a list of building materials that are suspected to contain asbestos.

The inspectors selected materials for inclusion in this report through an understanding of the historical uses of asbestos and the experience of the Paradigm staff. Generally, if a building material within a structure could contain asbestos, the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross referenced to prepared sketches. Individual samples were also recorded on a chain of custody document.

Samples were individually preserved within a container and transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples - New York State Department of Health, ELAP Method 198.1 ("Polarized Light Microscopy Methods for identifying and quantitating asbestos in bulk samples").

SECTION I
INTRODUCTION

IOLA CAMPUS
BUILDING 9
M & C
ROCHESTER, NEW YORK

TABLE OF CONTENTS

BUILDING #9
M & C

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

T.E.M. Results

Client: County of Monroe
Location: Iola Complex, Building 8, 350 East Henrietta Road, Rochester, New York

Job No: 77343
Sample Date: 11/25/97

				TEM Analysis	
Client ID	**Lab ID**	**Sampling Location**	**Description**	**Total Asbestos**	**Asbestos Type**
FT-A.1	85030	First Floor, North Area Open Space	White 12"x12" Floor Tile	<1.0%	None Detected
FTM-A.1	85031	First Floor, North Area Open Space	Yellow Floor Tile Mastic from **Sample 85030**	<1.0%	None Detected
FT-B.1	85032	East Entrance Way	Cream 12"x12" Floor Tile	<1.0%	None Detected
FTM-B.1	85033	East Entrance Way	Grey Floor Tile Mastic from **Sample 85032**	<1.0%	None Detected
SV-A.1	85036	East Entrance Way	Red/Black Fibrous Sheet Vinyl	<1.0%	None Detected
CMM-A.1	85040	First Floor, North Area Open Space	Yellow Cove Molding Mastic	<1.0%	None Detected
WC-A.1	85495	On All Exterior Windows	Yellow Window Caulk	<1.0%	None Detected
Roof-A.1a	87869	Roof	Black Fibrous Roofing Felt	<1.0%	None Detected

ELAP ID No.: 10920

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.
N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY AMA ANALYTICAL SERVICES, INC.

Date Analyzed: 12/4/97, 12/10/97
Analyst: *Andreas Saldivar, Luis Bustillos*

Laboratory Results Approved By: _____

File ID: lolab8.xls

PARADIGM
Environmental
ervices, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 8, 350 East Henrietta Road, Rochester, New York
Job Number: 77578

Sample Date: 12/2/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
Roof-A.1a	87869	Roof	Black Fibrous Roofing Felt	None Detected	0%	*	Cellulose 43% Mineral Wool 6%	51%
Roof-A.1b	87870	Roof	Grey Slate	None Detected	0%		None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/4/97
Microscope: Olympus BH-2 #235757
alyst: *Mary Dohr*

Laboratory Results Approved By: _____

File ID: Iolab8.xls

PARADIGM
Environmental
ervices, Inc.

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 8, 350 East Henrietta Road, Rochester, New York
Job Number: 77398

Sample Date: 11/26/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
ST-A.1	85494	Second Floor, Exterior Wall of Porch	Grey Stucco	None Detected	0%		None Detected	100%
WC-A.1	85495	On All Exterior Windows	Yellow Window Caulk	None Detected	0%	*	None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/26/97
Microscope: Olympus BH-2 #235757
alyst: *Patrick Fitzgerald*

Laboratory Results Approved By: _____

File ID: Iolab8.xls

PARADIGM
Environmental ervices, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 8, 350 East Henrietta Road, Rochester, New York
Job Number: 77343
Sample Date: 11/25/97
Page Number: 2 of 2

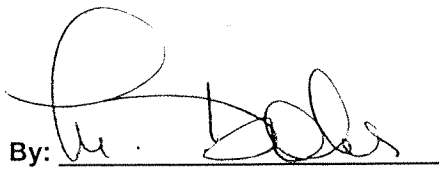
Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
CMM-A.1	85040	First Floor, North Area Open Space	Yellow Cove Molding Mastic	None Detected	0%	*	None Detected	100%
CV-A.1	85041	Second Floor, Porch Floor	Brown Fibrous Canvas Covering	None Detected	0%		Cellulose 88%	12%
WS-A.1	85042	Second Floor, Bathroom	White Fibrous Wall System, Drywall and Spackle	None Detected	0%		Cellulose 15%	85%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
alyst: *Patrick Fitzgerald*

Laboratory Results Approved By: 

File ID: Iolab8.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 8, 350 East Henrietta Road, Rochester, New York
Job Number: 77343
Sample Date: 11/25/97
Page Number: 1 of 2

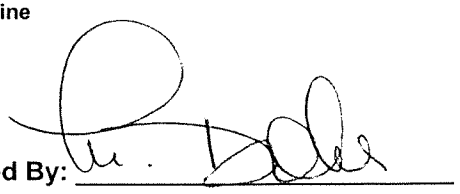
Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
FT-A.1	85030	First Floor, North Area Open Space	White 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-A.1	85031	First Floor, North Area Open Space	Yellow Floor Tile Mastic from **Sample 85030**	None Detected	0%	*	Cellulose 5%	95%
FT-B.1	85032	East Entrance Way	Cream 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-B.1	85033	East Entrance Way	Grey Floor Tile Mastic from **Sample 85032**	None Detected	0%	*	Cellulose 6%	94%
P-A.1	85034	Second Floor, Southwest Office	White Plaster	None Detected	0%		Cellulose 8%	92%
PI-A.1	85035	Basement	White Fibrous Pipe Insulation	Chrysotile 57%	57%		None Detected	43%
SV-A.1	85036	East Entrance Way	Red/Black Fibrous Sheet Vinyl	None Detected	0%	*	Cellulose 34%	66%
SF-A.1	85037	First Floor, Kitchen	Brown Fibrous Sub Floor	None Detected	0%		Cellulose 70% Mineral Wool 18%	12%
WB-A.1	85038	Basement	Brown Fibrous Wall Board	None Detected	0%		Cellulose 95%	5%
WG-A.1	85039	Second Floor, Southwest Office	White Fibrous Window Glaze	Chrysotile 8%	8%		Cellulose 3%	89%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: 

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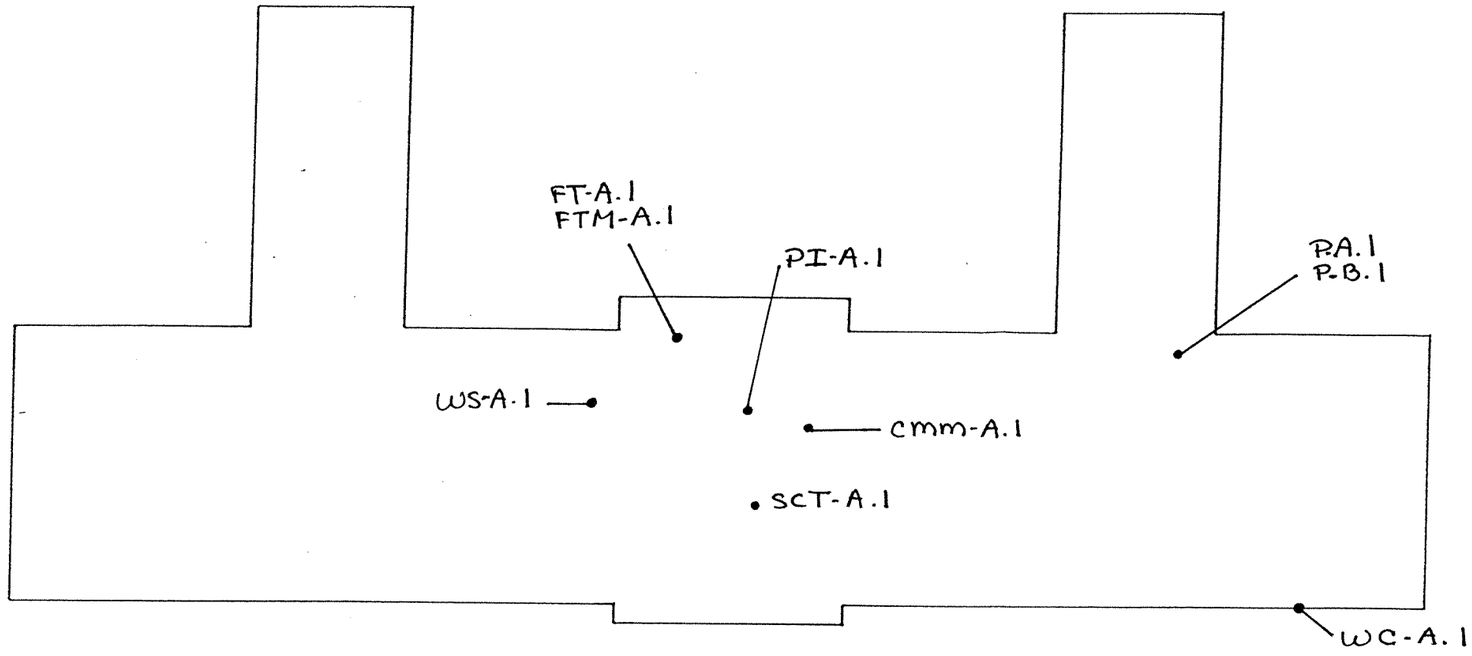
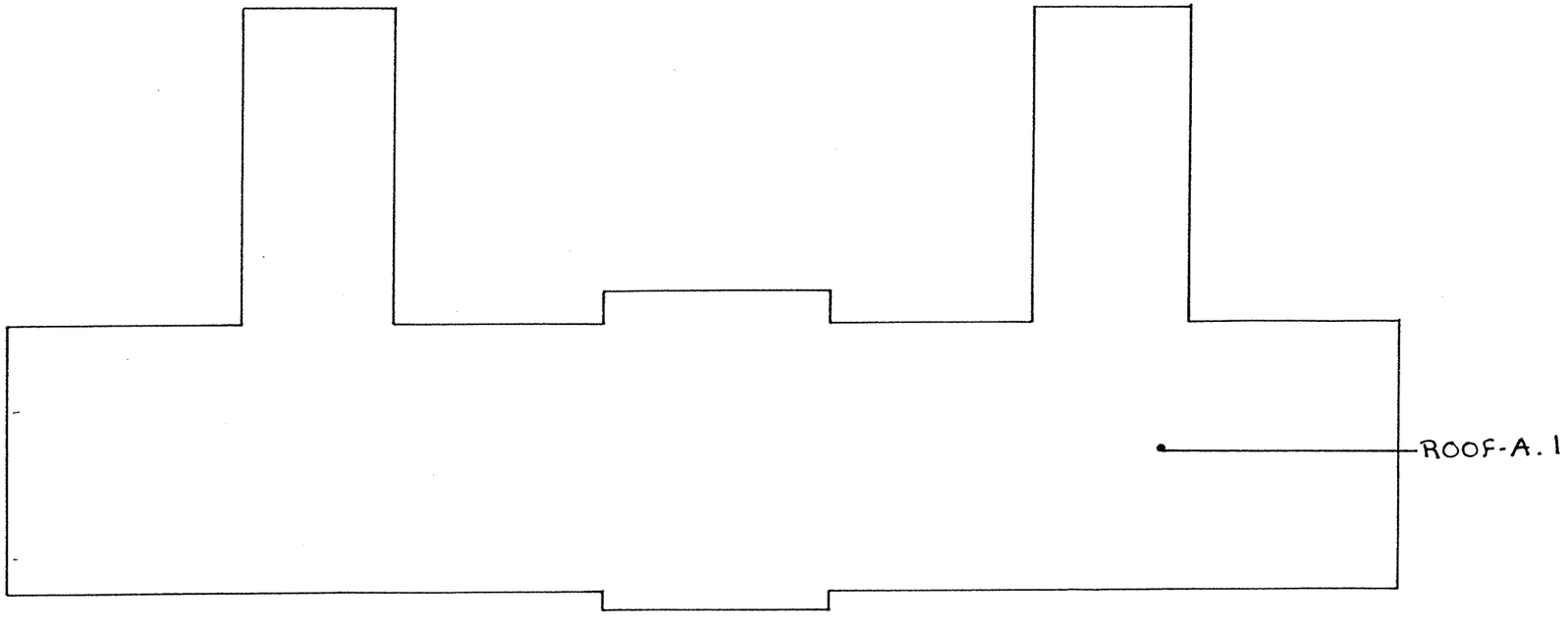
SECTION V
LABORATORY REPORTS



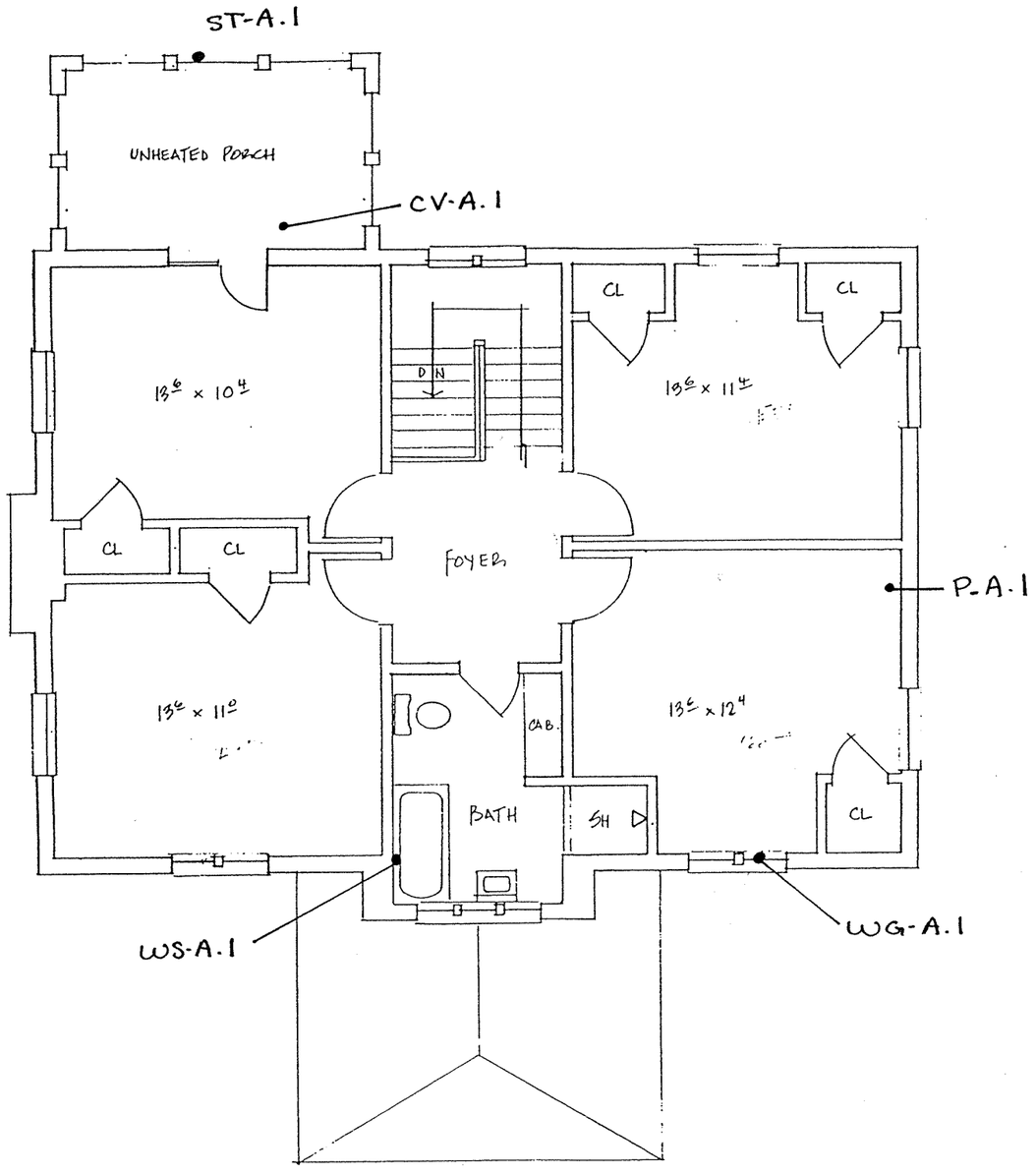
BUILDING 9
FIRST FLOOR



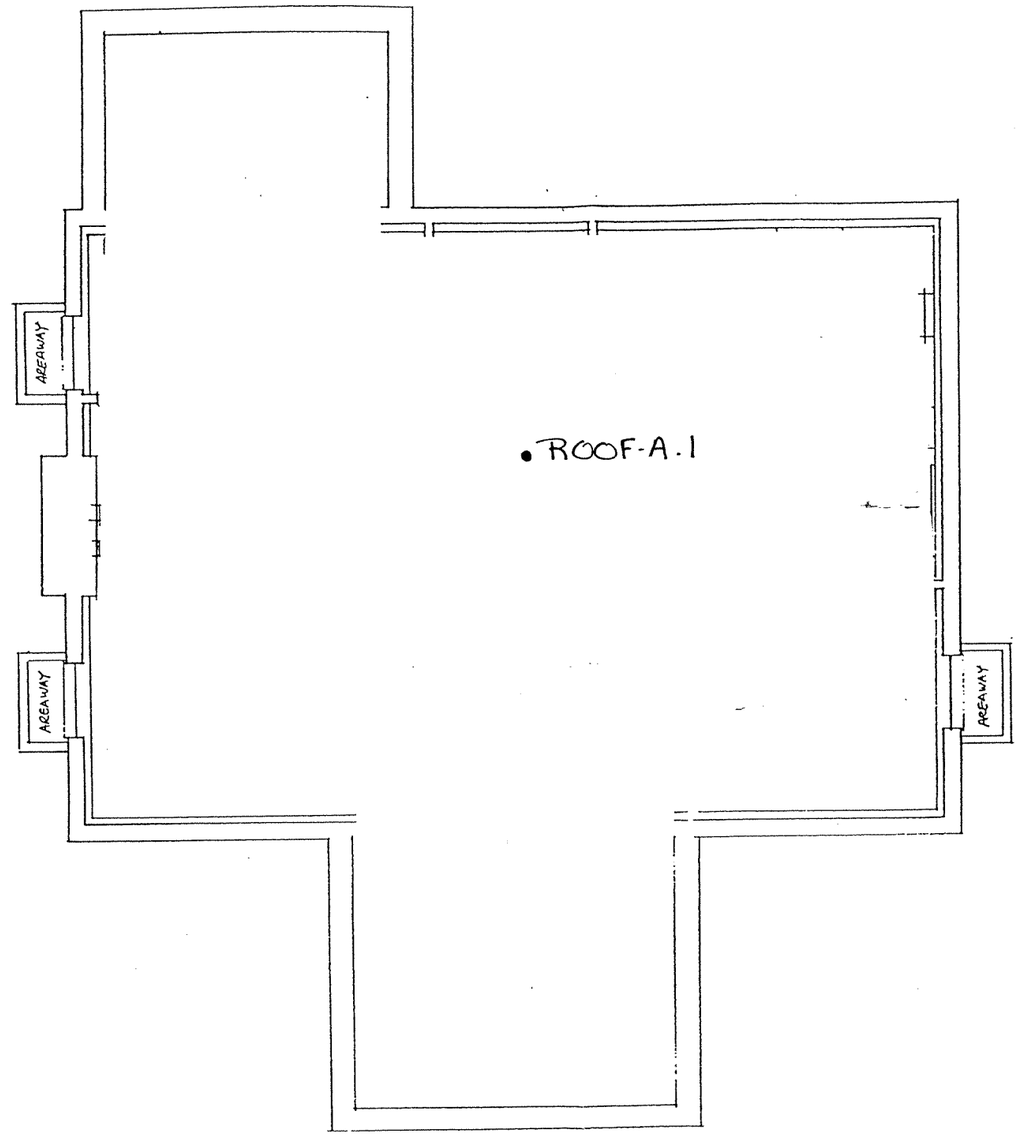
BUILDING 9
ROOF

BUILDING 9
MAINTENANCE
& CONSTRUCTION

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997



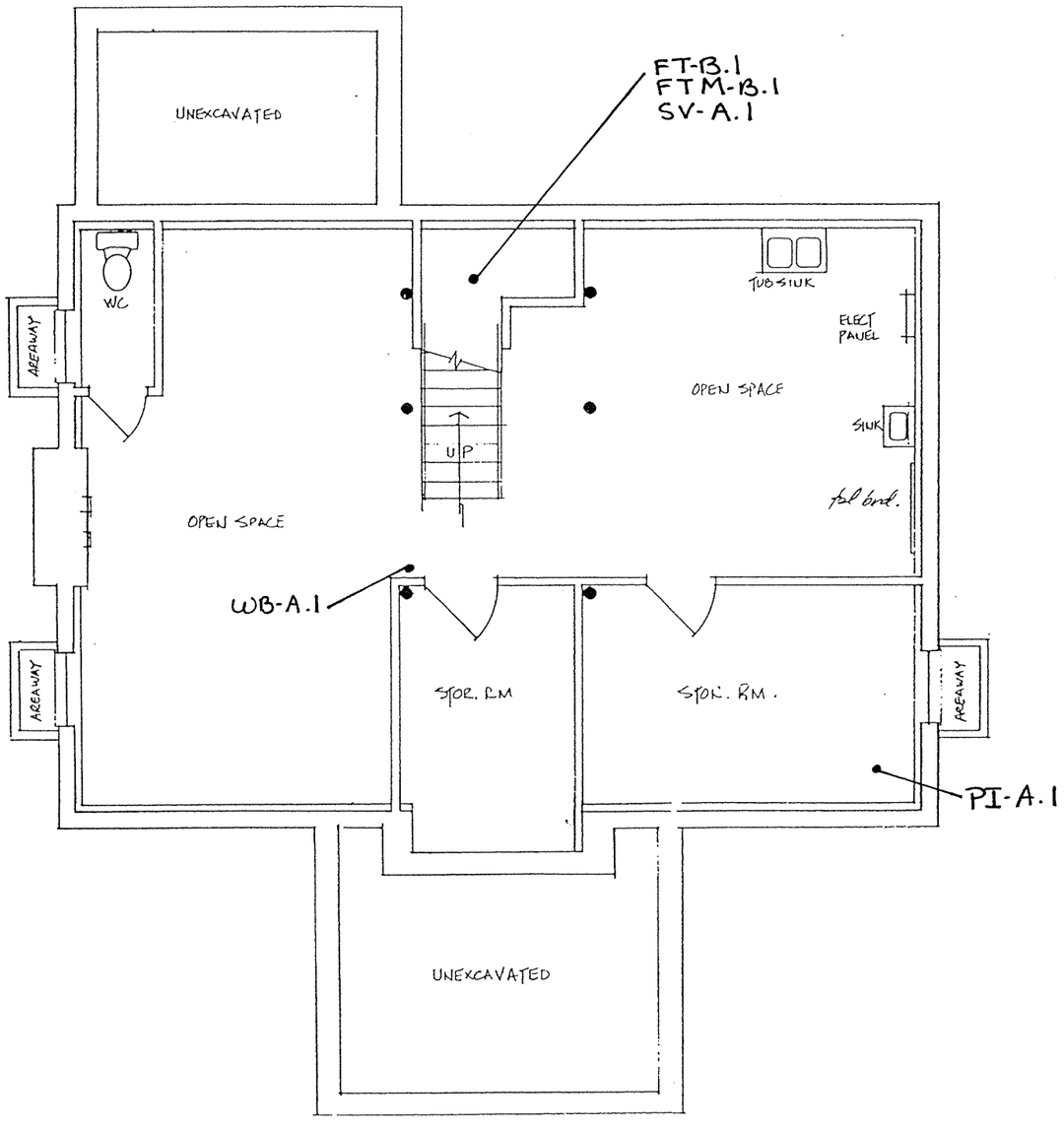
BUILDING 8
SECOND FLOOR



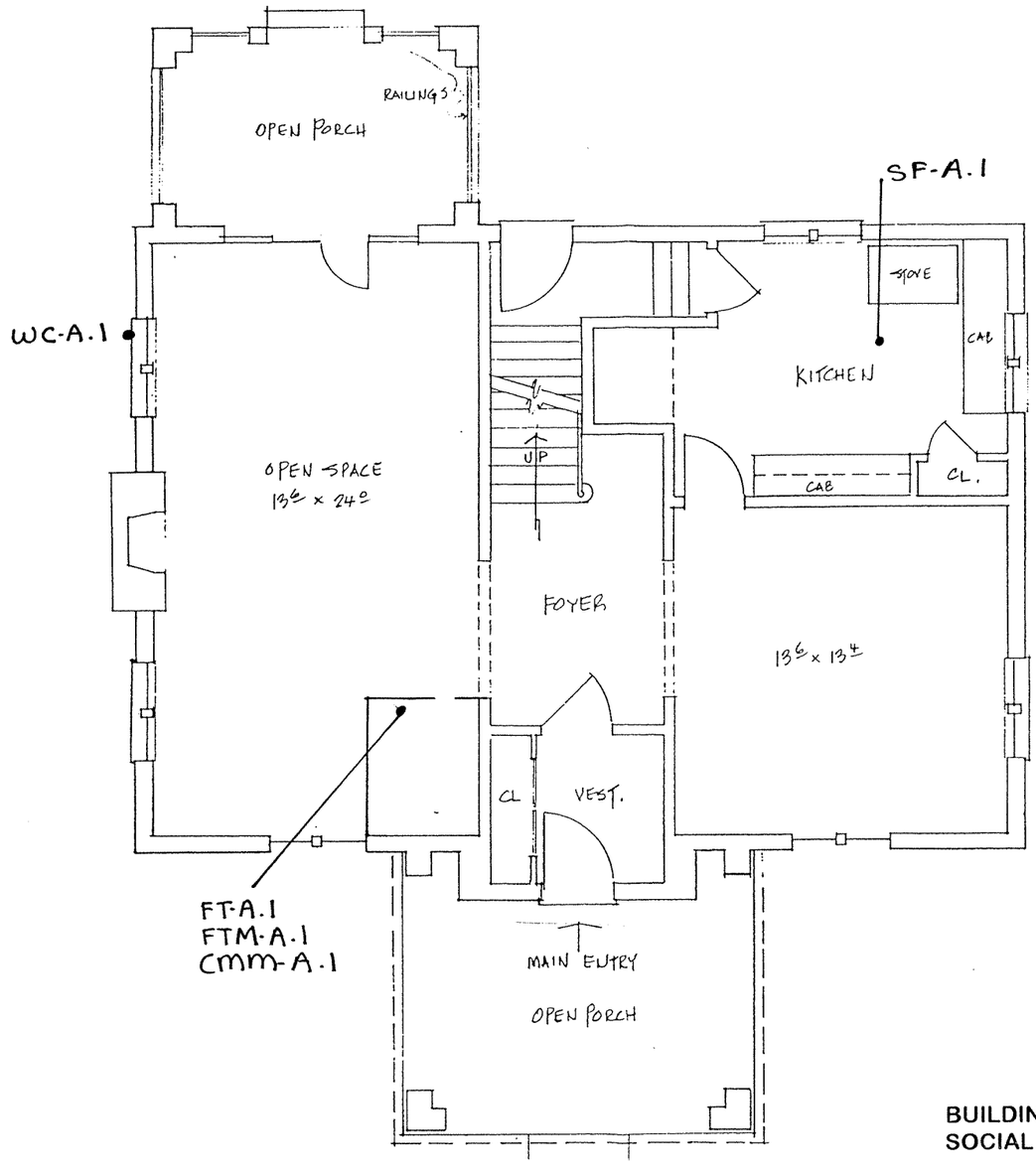
BUILDING 8
ROOF

BUILDING 8
SOCIAL SERVICES

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997



BUILDING 8
BASEMENT



BUILDING 8
FIRST FLOOR

BUILDING 8
SOCIAL SERVICES

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997

SECTION IV
DRAWINGS

BUILDING EXTERIOR

Exterior		
Yellow Window Caulk	200	linear feet

Total Asbestos Containing Materials on the Building Exterior:

Yellow Window Caulk:	**200**	**linear feet**

Paradigm certifies that this report is based on Paradigm's observations and believes it to be an accurate representation of the conditions as they existed on November 24-December 4, 1997.

*All quantities are approximations.

BASEMENT

Basement		
White Pipe Insulation	260	linear feet

Total Asbestos Containing Materials in the Basement:

White Pipe Insulation	**260**	**linear feet**

1ST FLOOR

North Room - Open Space		
White Window Glaze	100	linear feet
Southwest Office		
White Window Glaze	30	linear feet

Total Asbestos Containing Materials on the 1st Floor:

White Window Glaze:	**130**	**linear feet**

2ND FLOOR

Foyer		
White Window Glaze	20	linear feet
Northwest Office		
White Window Glaze	50	linear feet
Northeast Office		
White Window Glaze	50	linear feet
Southwest Office		
White Window Glaze	50	linear feet
Southeast Office		
White Window Glaze	50	linear feet

Total Asbestos Containing Materials on the 2nd Floor:

White Window Glaze:	**220**	**linear feet**

Total square/linear footage of asbestos containing materials

Pipe Insulation:	260	linear feet
Window Glaze:	350	linear feet
Window Caulk:	200	linear feet

Total cost estimate for asbestos abatement

Pipe Insulation:	$3,900
Window Glaze/Window Caulk:	$1,700

The following pages summarize the materials that were found to be asbestos containing in Building 8.

IOLA CAMPUS
BUILDING 8
SOCIAL SERVICES
ROCHESTER, NEW YORK

CONCLUSIONS

An asbestos survey was conducted by Paradigm Environmental Services, Inc. at the Iola Campus, Building 8, Rochester, New York on November 24 - December 4, 1997. The purpose of the survey was to identify the approximate locations and quantities of asbestos containing materials.

A walkthrough of the building was conducted by Paradigm inspectors and a suspect list of materials that may contain asbestos was compiled from observations, notes, and drawings. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

For reporting, classification, and handling, the following rules were applied: Individual layers of aggregate materials containing one or more layers (such as floor tile and mastic) are analyzed as separate samples. However, if one layer is determined positive for asbestos, all subsequent layers are classified as ACM due to the necessity of handling all layers as a single system during removal activities or other disturbances. Friable materials are classified ACM when confirmed positive by polarized light microscopy (PLM). Non-friable organically bound materials (NOB) are classified as ACM when confirmed positive by PLM. NOB materials are classified as non-asbestos containing materials when tested negative by PLM and confirmed negative by subsequent transmission electron microscopy (TEM) analysis. In the absence of confirmatory TEM testing, NOB materials must be classified and handled as asbestos containing.

Paradigm reviewed the **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey** provided by Monroe County and noted the following:

The **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey Report** refers to the Steam Tunnels, Power House, and Building 5 only.

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Paradigm reviewed the **1989 Survey of the County Buildings Report** provided by Monroe County and noted the following:

The 1989 Survey of the County Buildings Report was incomplete in regard to the number of types of materials tested in the interior and exterior of Building 8. The 1989 survey included sampling and analysis of pipe insulation and ceiling tiles only. This survey includes sampling and analysis of additional possible asbestos containing material types. Of those materials sampled, Paradigm noted asbestos containing pipe insulation as stated on the 1989 report; however, the following additional materials are to be classified as ACM per the 1997 survey:

Window Glaze
Window Caulk

SECTION III
CONCLUSIONS

IOLA CAMPUS
BUILDING 8
SOCIAL SERVICES
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for reference to the Iola Campus, Building 8, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations of suspect asbestos containing materials within the building was subject to the accessibility of individual areas or spaces. Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

Paradigm assumes no liability for any buildings not identified by the client that may fall under state or federal regulations.

SECTION II
LIMITATIONS

IOLA CAMPUS
BUILDING 8
SOCIAL SERVICES
ROCHESTER, NEW YORK

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the County of Monroe on November 24-December 4, 1997 to conduct an inspection for the detection of asbestos containing materials located the Iola Campus, Building 8, 350 East Henrietta Road, Rochester, New York.

Paradigm Environmental Services Inc.'s inspectors Paul Mahoney, inspector #AH 88-10022, Richard Merlau, inspector #AH-92-00699, and Shawn House, inspector #88-06583, conducted this inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to identify approximate locations and quantities of asbestos containing materials located within the Iola Campus, Building 8, Rochester, New York.

An initial walkthrough of the area requiring inspection was conducted by experienced inspectors who observed and recorded many of the materials used in the construction of the building. The inspector proceeded by assessing floor, wall, ceiling materials, surfacing materials, thermal systems insulation, roofing materials and miscellaneous materials. The inspection was organized and approached systematically to observe, record, and prepare a list of building materials that are suspected to contain asbestos.

The inspectors selected materials for inclusion in this report through an understanding of the historical uses of asbestos and the experience of the Paradigm staff. Generally, if a building material within a structure could contain asbestos, the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross referenced to prepared sketches. Individual samples were also recorded on a chain of custody document.

Samples were individually preserved within a container and transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples - New York State Department of Health, ELAP Method 198.1 ("Polarized Light Microscopy Methods for identifying and quantitating asbestos in bulk samples").

SECTION I
INTRODUCTION

IOLA CAMPUS
BUILDING 8
SOCIAL SERVICES
ROCHESTER, NEW YORK

TABLE OF CONTENTS

BUILDING #8
SOCIAL SERVICES

PARADIGM Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

T.E.M. Results

Client: County of Monroe
Location: Iola Complex, Building 7, 350 East Henrietta Road, Rochester, New York

Job No: 77332
Sample Date: 11/25/97

				TEM Analysis	
Client ID	Lab ID	Sampling Location	Description	Total Asbestos	Asbestos Type
CMF-A.1	84958	Second Floor, Room 210	Yellow/Black Carpet Mastic	<1.0%	None Detected
CMM-A.1	84959	Second Floor, Room 206	Cream Cove Molding Mastic	<1.0%	None Detected
CMM-B.1	84960	Second Floor, Hallway	Dark Brown Cove Molding Mastic	<1.0%	None Detected
FT-A.1	84961	Second Floor, 209/210 Storage Room	White 12"x12" Floor Tile	<1.0%	None Detected
FTM-A.1	84962	Second Floor, 209/210 Storage Room	Black Fibrous Floor Tile Mastic from **Sample 84961**	<1.0%	None Detected
FT-B.1	85489	Northwest Stair Tower	Grey 12"x12" Floor Tile	<1.0%	None Detected
FTM-B.1	85490	Northwest Stair Tower	Black/Yellow Floor Tile Mastic from **Sample 85489**	<1.0%	None Detected
CTM-A.1	85491	Men's Room, 113B	Yellow Ceramic Tile Mastic	<1.0%	None Detected
WC-A.1	85492	First and Second Floor Exterior Windows	Grey Window Caulk	<1.0%	None Detected
Roof-A.1a	87809	Roof	Black Fibrous Roofing Felts	<1.0%	None Detected

ELAP ID No.: 10920

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.
N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY AMA ANALYTICAL SERVICES, INC.

Date Analyzed: 12/4/97, 12/10/97
Analyst: *Andreas Saldivar, Luis Bustillos*

Laboratory Results Approved By: _____

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 7, 350 East Henrietta Road, Rochester, New York
Job Number: 77572

Sample Date: 12/2/97
Page Number: 1 of 1

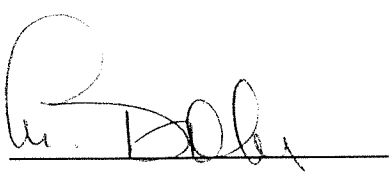
Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
Roof-A.1a	87809	Roof	Black Fibrous Roofing Felts	None Detected	0%	*	Cellulose 35% Fiberglass 10%	55%
Roof-A.1b	87810	Roof	Yellow Foam Insulation	None Detected	0%		None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/4/97
Microscope: Olympus BH-2 #235757
alyst: *Mary Dohr*

Laboratory Results Approved By: 

File ID: Iolab7.xls

PARADIGM
Environmental
ervices, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 7, 350 East Henrietta Road, Rochester, New York
Job Number: 77397
Sample Date: 11/26/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PI-B.1	85488	Basement	White Fibrous Pipe Insulation	Chrysotile 44%	44%		None Detected	56%
FT-B.1	85489	Northwest Stair Tower	Grey 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-B.1	85490	Northwest Stair Tower	Black/Yellow Floor Tile Mastic from **Sample 85489**	None Detected	0%	*	Cellulose 8%	92%
CTM-A.1	85491	Men's Room, 113B	Yellow Ceramic Tile Mastic	None Detected	0%	*	None Detected	100%
WC-A.1	85492	First and Second Floor Exterior Windows	Grey Window Caulk	None Detected	0%	*	Cellulose 3%	97%
VC-B.1	85493	Basement Windows Exterior	Yellow Fibrous Window Caulk	Chrysotile 11%	11%		None Detected	89%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/26/97
Microscope: Olympus BH-2 #235757
alyst: *Patrick Fitzgerald*

Laboratory Results Approved By: _____

File ID: Iolab7.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 7, 350 East Henrietta Road, Rochester, New York
Job Number: 77332

Sample Date: 11/25/97

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
FTM-A.1	84962	Second Floor, 209/210 Storage Room	Black Fibrous Floor Tile Mastic from **Sample 84961**	None Detected	0%	*	Cellulose 13%	87%
ACT-A.1	84963	Second Floor, Hallway	White Fibrous 12"x12" Adhered Ceiling Tile	None Detected	0%		Cellulose 95%	5%
CTM-A.1	84964	Second Floor, Hallway	Tan Ceiling Tile Mastic from **Sample 84963**	Chrysotile 5%	5%		None Detected	95%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/28/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: _____

File ID: Iolab7.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 7, 350 East Henrietta Road, Rochester, New York
Job Number: 77332
Sample Date: 11/25/97
Page Number: 1 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
WG-A.1	84952	Second Floor, Room 210	White Window Glaze	None Detected	0%		None Detected	100%
SCT-A.1	84953	Second Floor, Hallway	White Fibrous 2'x4' Suspended Ceiling Tile	None Detected	0%		Cellulose 55% Mineral Wool 22%	23%
SCT-B.1	84954	Second Floor, Room 211	White Fibrous 2'x4' Suspended Ceiling Tile	None Detected	0%		Cellulose 55% Mineral Wool 20%	25%
WS-A.1	84955	Second Floor, Room 211, On Column	White Fibrous Wall System, Drywall & Spackle	None Detected	0%		Cellulose 15%	85%
P-A.1	84956	Second Floor, 209/210 Storage Room	White Plaster	None Detected	0%		None Detected	100%
PI-A.1	84957	Second Floor, Room 211	Yellow Fibrous Pipe Insulation	None Detected	0%		Mineral Wool 100%	0%
CMF-A.1	84958	Second Floor, Room 210	Yellow/Black Carpet Mastic	None Detected	0%	*	Cellulose 9%	91%
CMM-A.1	84959	Second Floor, Room 206	Cream Cove Molding Mastic	None Detected	0%	*	None Detected	100%
CMM-B.1	84960	Second Floor, Hallway	Dark Brown Cove Molding Mastic	None Detected	0%	*	Cellulose 6%	94%
FT-A.1	84961	Second Floor, 209/210 Storage Room	White 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%

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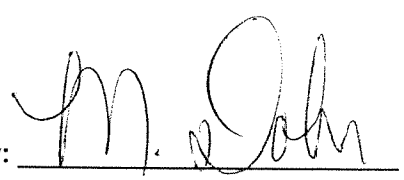
Date Analyzed: 12/28/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: 

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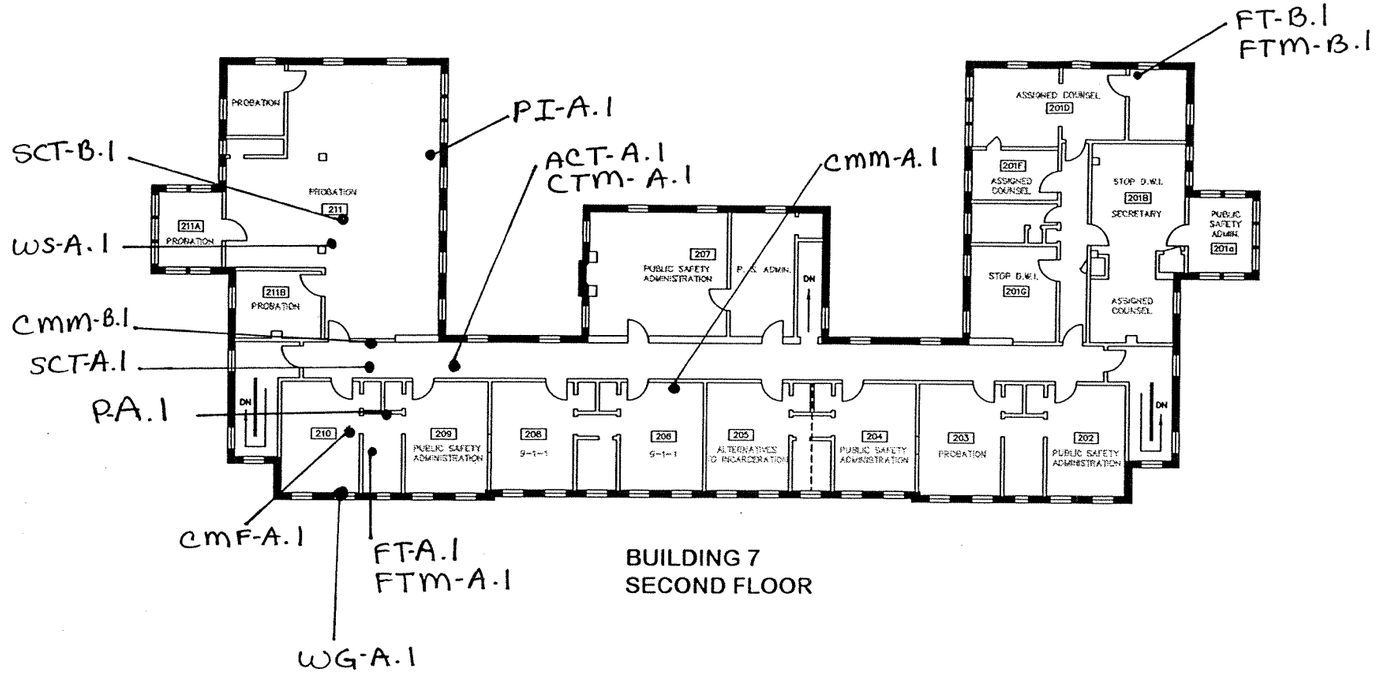
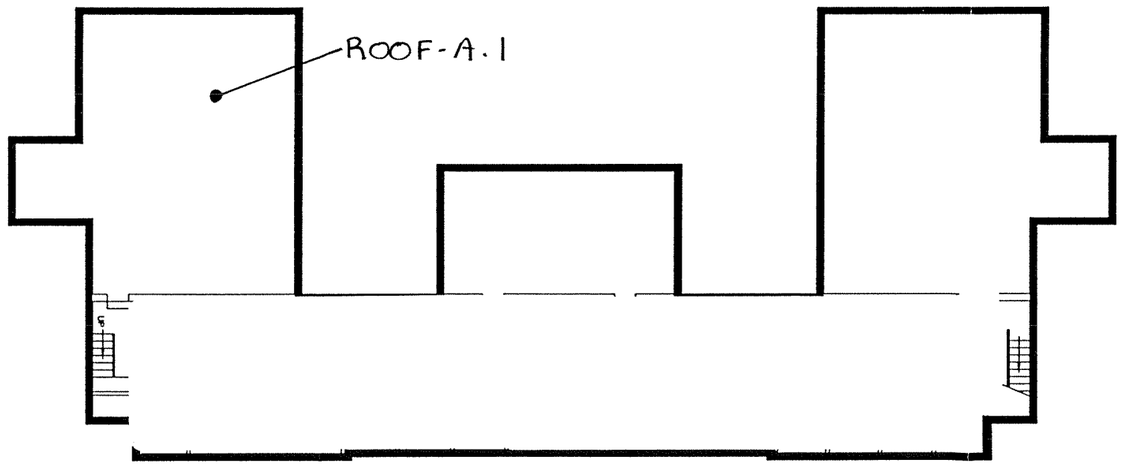
SECTION V
LABORATORY REPORTS



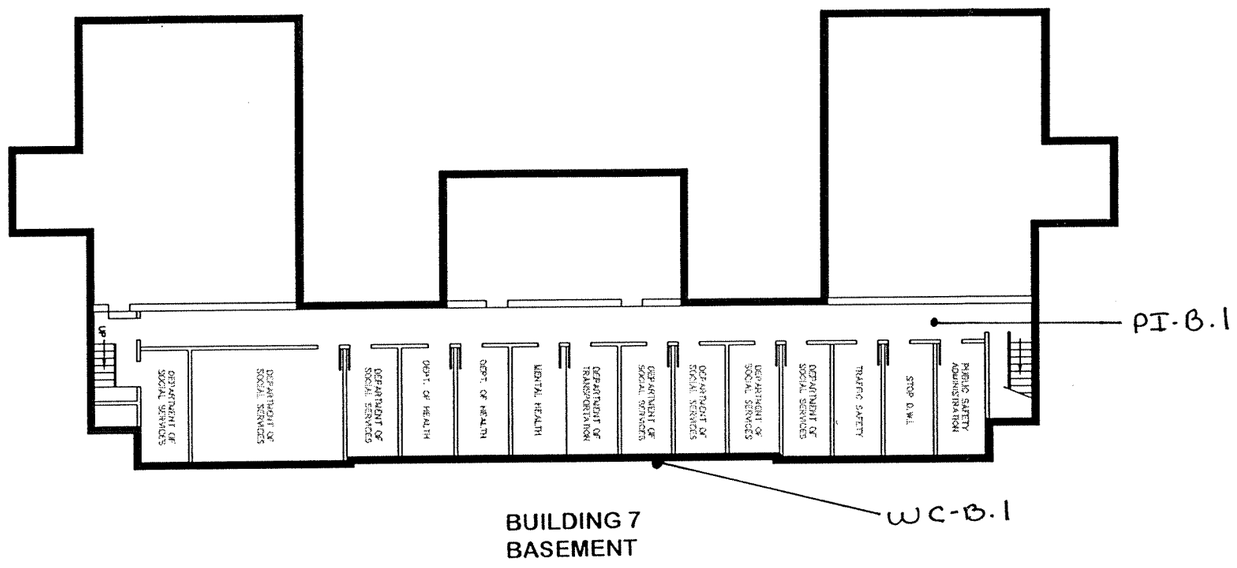
BUILDING 7
SECOND FLOOR



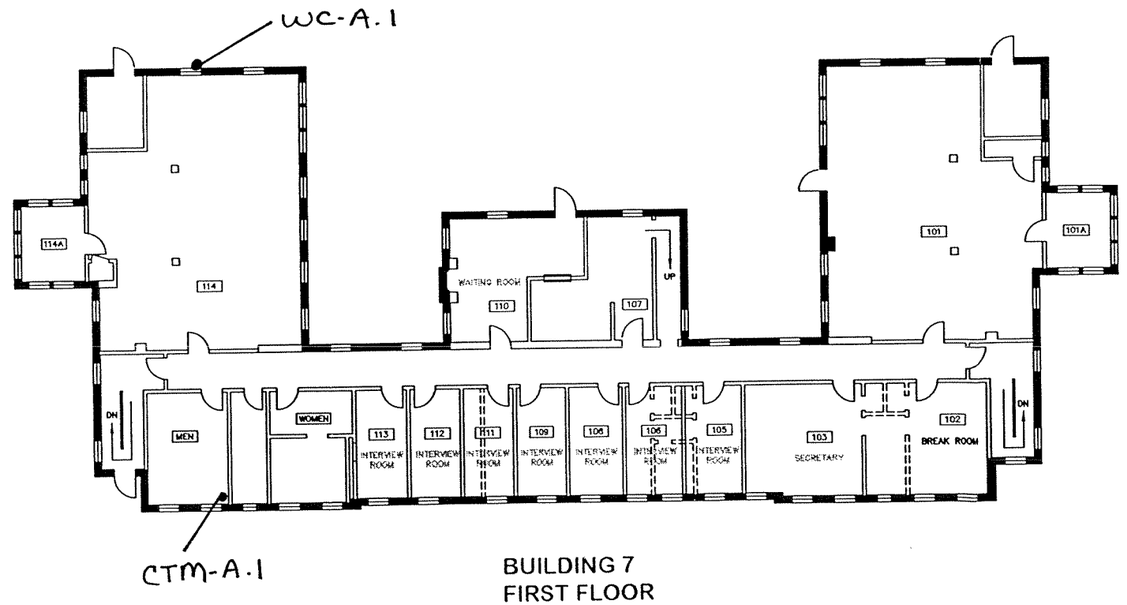
BUILDING 7
ROOF

BUILDING 7
PUBLIC SAFETY

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997



BUILDING 7
BASEMENT



BUILDING 7
FIRST FLOOR

BUILDING 7
PUBLIC SAFETY

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997

SECTION IV
DRAWINGS

BUILDING EXTERIOR

Exterior		
Yellow Window Caulk	70	linear feet

Total Asbestos Containing Materials on the Building Exterior:

Yellow Window Caulk	**70**	**linear feet**

Paradigm certifies that this report is based on Paradigm's observations and believes it to be an accurate representation of the conditions as they existed on November 24-December 4, 1997.

*All quantities are approximations.

2ND FLOOR

2nd Floor Hallway		
Tan Ceiling Tile Mastic	505	square feet

Total Asbestos Containing Materials on the 2nd Floor:

Tan Ceiling Tile Mastic:	**505**	**square feet**

STAIRWELLS

Northeast Stairwell		
White Pipe Insulation	25	linear feet
Southeast Stairwell		
White Pipe Insulation	25	linear feet

Total Asbestos Containing Materials in the Stairwells:

White Pipe Insulation:	**50**	**linear feet**

BASEMENT

Basement		
White Pipe Insulation	650	linear feet

Total Asbestos Containing Materials in the Basement:

White Pipe Insualtion	**650**	**linear feet**

1ST FLOOR

Room 113-A Bathroom		
Tan Ceiling Tile Mastic	415	square feet
Room 113-B Bathroom		
Tan Ceiling Tile Mastic	415	square feet
1st Floor Hallway		
Tan Ceiling Tile Mastic	505	square feet

Total Asbestos Containing Materials on the 1st Floor:

Tan Ceiling Tile Mastic:	**1,335**	**square feet**

Total square/linear footage of asbestos containing materials

Pipe Insulation:	700	linear feet
Ceiling Tile Mastic:	1,840	square feet
Window Caulk:	70	linear feet

Total cost estimate for asbestos abatement

Pipe Insulation:	$10,500
Ceiling Tile Mastic:	$3,680
Window Caulk:	$1,000

The following pages summarize the materials that were found to be asbestos containing in Building 7.

IOLA CAMPUS
BUILDING 7
PUBLIC SAFETY
ROCHESTER, NEW YORK

CONCLUSIONS

An asbestos survey was conducted by Paradigm Environmental Services, Inc. at the Iola Campus, Building 7, Rochester, New York on November 24 - December 4, 1997. The purpose of the survey was to identify the approximate locations and quantities of asbestos containing materials.

A walkthrough of the building was conducted by Paradigm inspectors and a suspect list of materials that may contain asbestos was compiled from observations, notes, and drawings. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

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Window Caulk
Ceiling Tile Mastic

SECTION III
CONCLUSIONS

IOLA CAMPUS
BUILDING 7
PUBLIC SAFETY
ROCHESTER, NEW YORK

LIMITATIONS

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SECTION II
LIMITATIONS

IOLA CAMPUS
BUILDING 7
PUBLIC SAFETY
ROCHESTER, NEW YORK

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SECTION I
INTRODUCTION

IOLA CAMPUS
BUILDING 7
PUBLIC SAFETY
ROCHESTER, NEW YORK

TABLE OF CONTENTS

BUILDING #7
PUBLIC SAFETY

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

T.E.M. Results

Client: County of Monroe
Location: Iola Complex, Building 5, 350 East Henrietta Road, Rochester, New York

Job No: 77488
Sample Date: 12/1/97

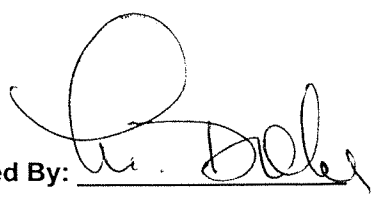
				TEM Analysis	
Client ID	**Lab ID**	**Sampling Location**	**Description**	**Total Asbestos**	**Asbestos Type**
FT-K.1	87788	Second Floor, Main Corridor	Cream 12"x12" Floor Tile	<1.0%	None Detected
FTM-K.1	87789	Second Floor, Main Corridor	Tan Floor Tile Mastic from **Sample 87788**	<1.0%	None Detected
SV-C.1	87790	Second Floor, Room 219	Brown Sheet Vinyl	<1.0%	None Detected
Roof-A.1a	87802	West Lower Roof	Black Fibrous Roofing Felts	<1.0%	None Detected
Roof-A.1b	87803	West Lower Roof	Black Fibrous Roofing Felts	<1.0%	None Detected
Roof-A.1c	87804	West Lower Roof	Black Fibrous Roofing Felts	<1.0%	None Detected
Roof-B.1a	87806	Upper Main Roof	Black Fibrous Roofing Felts	<1.0%	None Detected

ELAP ID No.: 10920

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.
N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY AMA ANALYTICAL SERVICES, INC.

Date Analyzed: 12/4/97, 12/10/97
Analyst: *Andreas Saldivar, Luis Bustillos*

Laboratory Results Approved By: 

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 5, 350 East Henrietta Road, Rochester, New York
Job Number: 77572
Sample Date: 12/2/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
Roof-A.1a	87802	West Lower Roof	Black Fibrous Roofing Felts	None Detected	0%	*	Cellulose 38% Fiberglass 16%	46%
Roof-A.1b	87803	West Lower Roof	Black Fibrous Roofing Felts	None Detected	0%	*	Cellulose 58% Fiberglass 3%	39%
Roof-A.1c	87804	West Lower Roof	Black Fibrous Roofing Felts	None Detected	0%	*	Cellulose 63%	37%
Roof-A.1d	87805	West Lower Roof	Brown Fibrous Roof Insulation	None Detected	0%		Cellulose 96%	4%
Roof-B.1a	87806	Upper Main Roof	Black Fibrous Roofing Felts	None Detected	0%	*	Cellulose 42%	58%
Roof-B.1b	87807	Upper Main Roof	White Roofing Insulation	None Detected	0%		Cellulose 3%	97%
Roof-B.1c	87808	Upper Main Roof	Brown Fibrous Roof Insulation	None Detected	0%		Cellulose 95%	5%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/4/97
Microscope: Olympus BH-2 #235757
Analyst: *Mary Dohr*

Laboratory Results Approved By:

File ID: Iolab5.xls

PARADIGM
Environmental 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311
ervices, Inc.

Client: County of Monroe
Location: Iola Complex, Building 5, 350 East Henrietta Road, Rochester, New York
Job Number: 77567

Sample Date: 12/2/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
FT-J.1	87786	First Floor, Room 104	Tan 12"x12" Floor Tile	None Detected	0%	*	Cellulose 5%	95%
FTM-J.1	87787	First Floor, Room 104	Yellow Floor Tile Mastic from **Sample 87786**	None Detected	0%	*	None Detected	100%
FT-K.1	87788	Second Floor, Main Corridor	Cream 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-K.1	87789	Second Floor, Main Corridor	Tan Floor Tile Mastic from **Sample 87788**	None Detected	0%	*	Wollastonite 15%	85%
SV-C.1	87790	Second Floor, Room 219	Brown Sheet Vinyl	None Detected	0%	*	None Detected	100%
CT-B.1	87791	Second Floor, Room 205	White Fibrous 2'x4' Pits & Valley Pattern Suspended Ceiling Tile	None Detected	0%		Cellulose 55% Mineral Wool 20%	25%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/3/97
Microscope: Olympus BH-2 #235757
alyst: *Patrick Fitzgerald*

Laboratory Results Approved By:

File ID: Iolab5.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 5, 350 East Henrietta Road, Rochester, New York
Job Number: 77554
Sample Date: 12/1/97

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
FTM-H.1	87673	First Floor, Main Corridor	White Fibrous Floor Tile Mastic from **Sample 87673**	None Detected	0%	*	Wollastonite 21%	79%
SV-A.1	87674	First Floor, Main Corridor	Black Fibrous Sheet Vinyl	None Detected	0%	*	Wollastonite 20%	80%
SVM-A.1	87675	First Floor, Main Corridor	Yellow Sheet Vinyl Mastic from **Sample 87674**	None Detected	0%	*	None Detected	100%
SV-B.1	87676	First Floor, Main Corridor	White Fibrous Sheet Vinyl	None Detected	0%	*	Wollastonite 20%	80%
SVM-B.1	87677	First Floor, Main Corridor	Yellow Sheet Vinyl Mastic from **Sample 87676**	None Detected	0%	*	None Detected	100%

ELAP ID No.: 10958

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***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/2/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: _____

PARADIGM
Environmental
ervices, Inc.

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 5, 350 East Henrietta Road, Rochester, New York
Job Number: 77554

Sample Date: 12/1/97

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
FT-D.1	87664	First Floor, Room 112	Yellow 9"x9" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-D.1	87665	First Floor, Room 112	Yellow Floor Tile Mastic from **Sample 87664**	None Detected	0%	*	Cellulose 5%	95%
FT-E.1	87666	First Floor, Main Corridor	Black 12"x12" Floor Tile	None Detected	0%	*	Wollastonite 12%	88%
FTM-E.1	87667	First Floor, Main Corridor	Black Fibrous Floor Tile Mastic from **Sample 87666**	None Detected	0%	*	Cellulose 13%	87%
FT-F.1	87668	First Floor, Room 101	White 18"x18" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-F.1	87669	First Floor, Room 101	Yellow Fibrous Floor Tile Mastic from **Sample 87668**	None Detected	0%	*	Wollastonite 22%	78%
FT-G.1	87670	First Floor, Room 101	Black 18"x18" Floor Tile	None Detected	0%	*	Cellulose 4%	96%
FTM-G.1	87671	First Floor, Room 101	Yellow Fibrous Floor Tile Mastic from **Sample 87670**	None Detected	0%	*	Wollastonite 28%	72%
FT-H.1	87672	First Floor, Main Corridor	Brown 2'x2' Floor Tile	None Detected	0%	*	None Detected	100%

ELAP ID No.: 10958

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Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/2/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: M. Johns

File ID: Iolab5.xls

PARADIGM Environmental ervices, Inc.

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 5, 350 East Henrietta Road, Rochester, New York
Job Number: 77488

Sample Date: 12/1/97

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
CRM-A.1	87062	First Floor, Women's Room	Yellow Ceramic Tile Mastic	None Detected	0%	*	None Detected	100%
ACT-A.1	87063	First Floor, Room 101H	Yellow 12"x12" Adhered Ceiling Tile	None Detected	0%		Cellulose 95%	5%
CTM-A.1	87064	First Floor, Room 101H	Brown Ceiling Tile Mastic from **Sample 87063**	None Detected	0%	*	Cellulose 5%	95%
CTM-B.1	87065	First Floor, Room 102A	Black Ceiling Tile and Cork Mastic	Chrysotile 6%	6%		None Detected	94%
WG-A.1	87066	Exterior Windows	White Window Glaze	Chrysotile 9%	9%		None Detected	91%

ELAP ID No.: 10958

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***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/1/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: M. Dow

File ID: Iolab5.xls

PARADIGM
Environmental
ervices, Inc.

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 5, 350 East Henrietta Road, Rochester, New York
Job Number: 77627

Sample Date: 12/4/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
ACT-B.1	88270	Third Floor, Main Corridor	White Fibrous 12"x12" Adhered Ceiling Tile	None Detected	0%		Cellulose 88%	12%
WC-A.1	88272	Exterior of Building	White Window Caulk	Chrysotile 7%	7%		None Detected	93%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed: 12/4/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: M. Dahn

File ID: Iolab5.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 5, 350 East Henrietta Road, Rochester, New York
Job Number: 77553
Sample Date: 12/1/97
Page Number: 2 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
FT-C.1	87658	First Floor, Room 116D	Grey 12" x 12" Floor Tile	None Detected	0%	*	Cellulose 2%	98%
FTM-C.1	87659	First Floor, Room 116D	Black/Yellow Floor Tile Mastic from **Sample 87657**	None Detected	0%	*	None Detected	100%
CMF-A.1	87660	First Floor, Room 116C	Tan Carpet Mastic on Floor	None Detected	0%	*	None Detected	100%
WS-A.1	87661	First Floor, Room 118A	White Fibrous Wall System, Drywall & Spackle	None Detected	0%		Cellulose 13%	87%
SCT-A.1	87662	First Floor, Room 118B	White Fibrous 2'x4' Suspended Ceiling Tile	None Detected	0%		Cellulose 53% Mineral Wool 17%	30%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/2/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: _____

File ID: Iolab5.xls

PARADIGM
Environmental 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311
ervices, Inc.

Client: County of Monroe
Location: Iola Complex, Building 5, 350 East Henrietta Road, Rochester, New York
Job Number: 77553

Sample Date: 12/1/97

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PI-A.1	87648	First Floor, Room 115A	Grey Fibrous Pipe Insulation	Chrysotile 18%	18%		Cellulose 70%	12%
PI-B.1	87649	First Floor, Room 115	White Fibrous Pipe Insulation	Chrysotile 66%	66%		None Detected	34%
PI-C.1	87650	First Floor, Room 115	Yellow Fibrous Pipe Insulation	None Detected	0%		Mineral Wool 100%	0%
CMM-A.1	87651	First Floor, Room 115	Brown Cove Molding Mastic	None Detected	0%	*	None Detected	100%
P-A.1	87652	First Floor, Room 115A	White Plaster	None Detected	0%		Cellulose 3%	97%
FT-A.1	87653	First Floor, Room 118A	White 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-A.1	87654	First Floor, Room 118A	Black Floor Tile Mastic from **Sample 87653**	None Detected	0%	*	Cellulose 8%	92%
FT-B.1	87655	First Floor, Room 118A	Black 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-B.1	87656	First Floor, Room 118A	Yellow Floor Tile Mastic from **Sample 87655**	None Detected	0%	*	Cellulose 6%	94%
FT-C.1	87657	First Floor, Room 116D	Grey 12"x12" Floor Tile	None Detected	0%	*	Cellulose 2%	98%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

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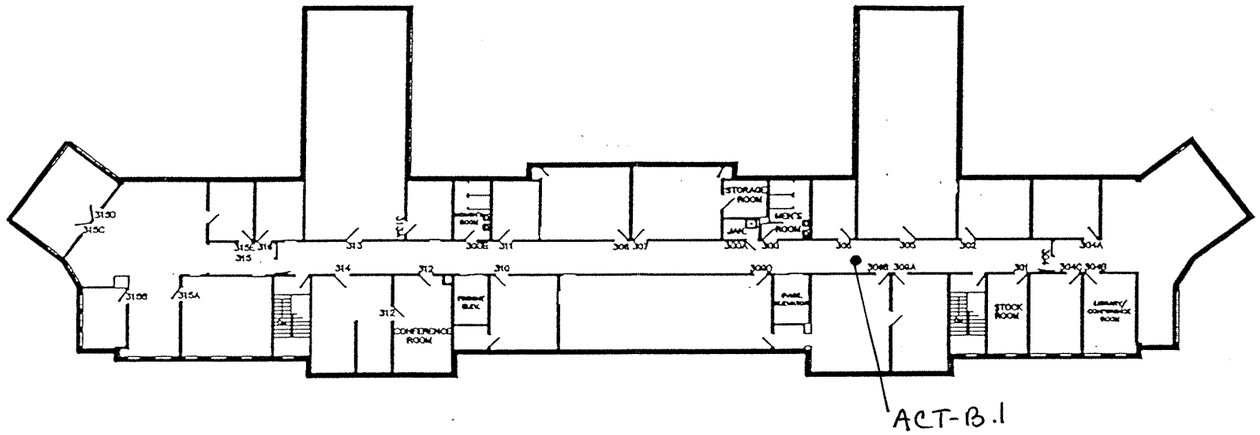
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/2/97
Microscope: Olympus BH-2 #235757
alyst: *Patrick Fitzgerald*

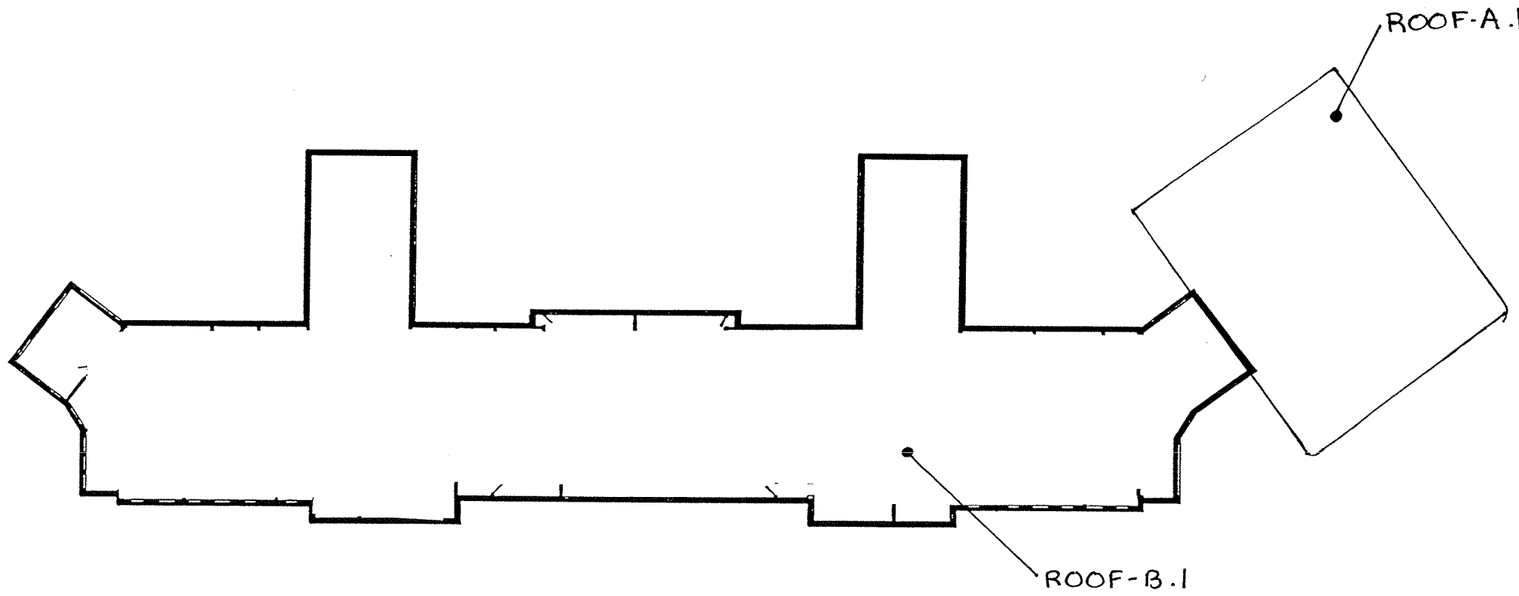
Laboratory Results Approved By: M. Oaks

File ID: Iolab5.xls

SECTION V
LABORATORY REPORTS



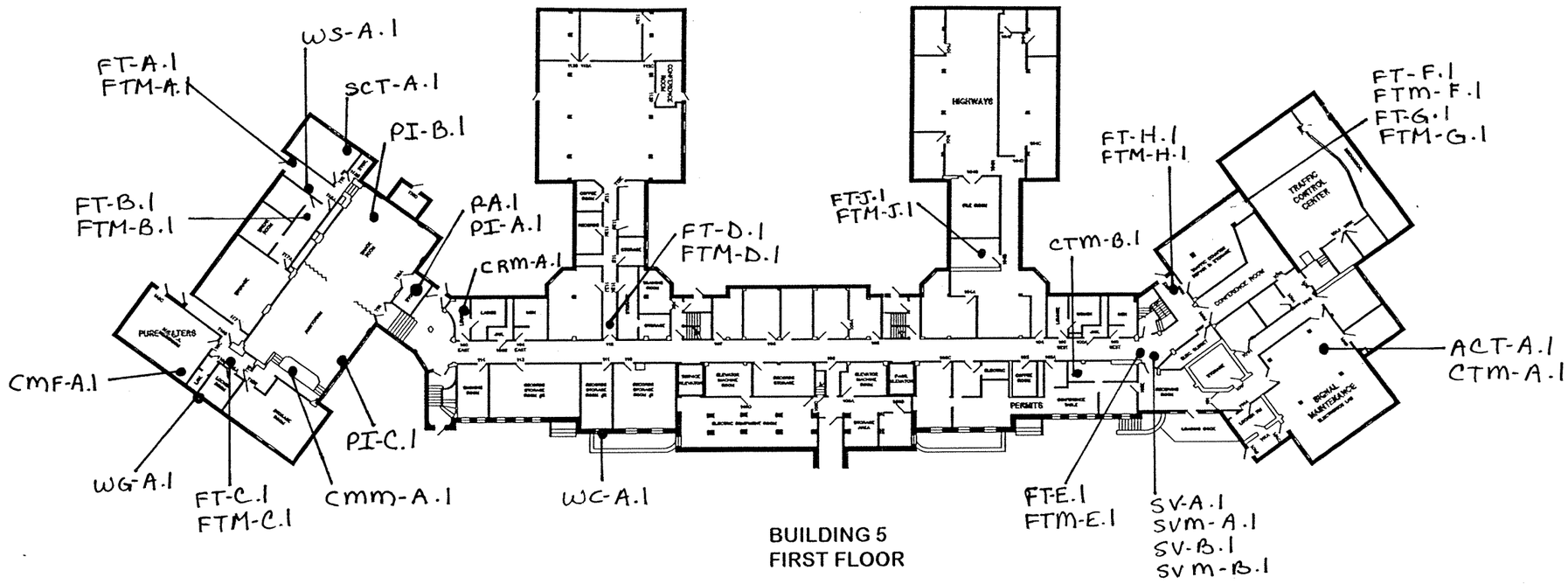
BUILDING 5
THIRD FLOOR



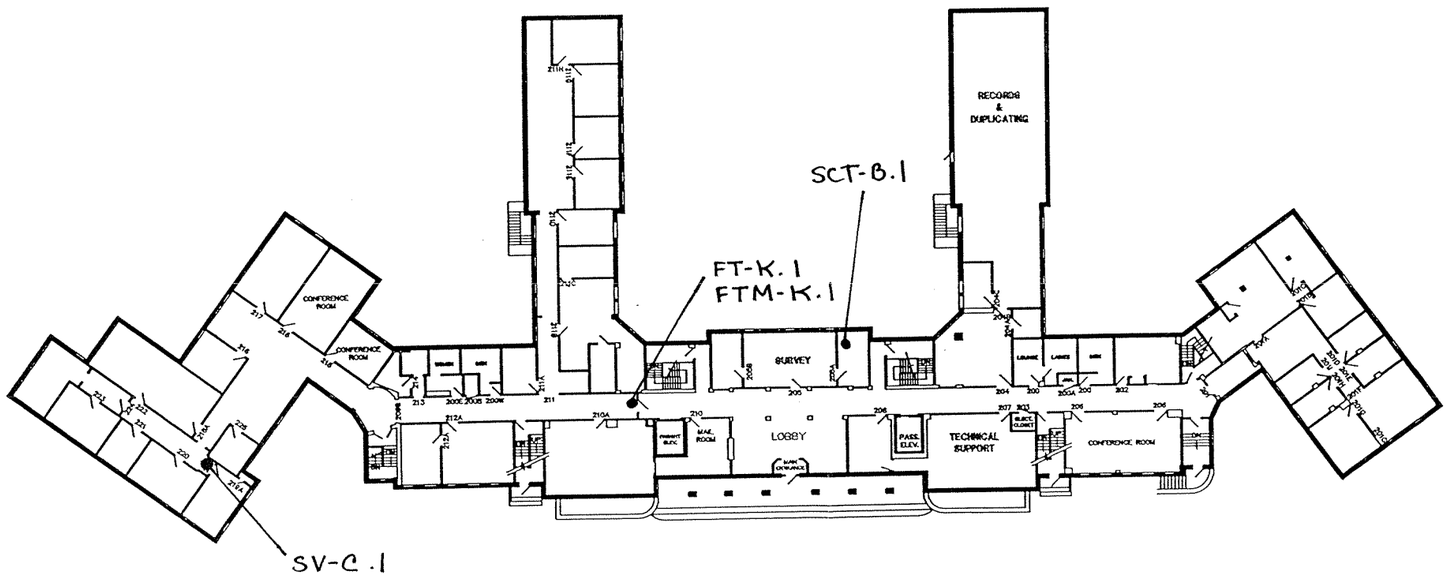
BUILDING 5
ROOF

BUILDING 5
PHYSICAL SERVICES

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997



BUILDING 5
FIRST FLOOR



BUILDING 5
SECOND FLOOR

BUILDING 5
PHYSICALSERVICES

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVE
DECEMBER, 1997

SECTION IV
DRAWINGS

STAIRWELLS

North Stairwell		
Grey Pipe Insulation	5	linear feet
Northwest Stairwell		
Grey Pipe Insulation	10	linear feet
Southwest Stairwell		
Grey Pipe Insulation	30	linear feet
Stairwell Adjacent to Dept. of Env. Svcs. Leading to 3rd Floor		
Grey Pipe Insulation	5	linear feet
Total Asbestos Containing Materials in Stairwells:		
Grey Pipe Insulation:	**50**	**linear feet**

BUILDING EXTERIOR

Exterior		
White Window Glaze	6,300	linear feet
Total Asbestos Containing Materials on the Building Exterior:		
White Window Glaze:	6,300	linear feet

Paradigm certifies that this report is based on Paradigm's observations and believes it to be an accurate representation of the conditions as they existed on November 24-December 4, 1997.

*All quantities are approximations.

3RD FLOOR

Space 304-A, B, C Grey Pipe Insulation	10	linear feet
Space 305 Grey Pipe Insulation	40	linear feet
Space 307 Grey Pipe Insulation	5	linear feet
Space 308 Grey Pipe Insulation	5	linear feet
Space 309-A, B, C, D Grey Pipe Insulation	10	linear feet
Space 313 Grey Pipe Insulation	15	linear feet
Space 315 Grey Pipe Insulation	20	linear feet

Total Asbestos Containing Materials on the 3rd Floor:

Grey Pipe Insulation:	**105**	**linear feet**

2ND FLOOR

Space 201		
Grey Pipe Insulation	20	linear feet
Space 204, 204A, 204B, & 204C		
Grey Pipe Insulation	50	linear feet
Space 207		
White Pipe Insulation	25	linear feet
Grey Pipe Insulation	25	linear feet
Space 208		
White Pipe Insulation	25	linear feet
Grey Pipe Insulation	25	linear feet
Space 210		
Grey Pipe Insulation	60	linear feet
Space 210-A		
Grey Pipe Insulation	40	linear feet
Space 211, 211A, & 211C		
Grey Pipe Insulation	85	linear feet
Space 212		
Grey Pipe Insulation	60	linear feet
Space 212-A		
Grey Pipe Insulation	60	linear feet
Space 213		
Grey Pipe Insulation	10	linear feet
2nd Floor Corridor		
Grey Pipe Insulation	10	linear feet
White Pipe Insulation	25	linear feet

Total Asbestos Containing Materials on the 2nd Floor:

Grey Pipe Insulation:	**445**	**linear feet**
White Pipe Insulation:	**75**	**linear feet**

1ST FLOOR CONTINUED

Total Asbestos Containing Materials on the 1st Floor:

White Pipe Insulation:	**655**	**square feet**
Grey Pipe Insulation:	**164**	**square feet**
Black Ceiling Tile & Cork Mastic:	**640**	**square feet**

1ST FLOOR CONTINUED

Space 110 White Pipe Insulation	45	linear feet
Space 111 White Pipe Insulation	30	linear feet
Space 112 Grey Pipe Insulation	30	linear feet
Space 112-B Grey Pipe Insulation	15	linear feet
Space 112-C Grey Pipe Insulation	15	linear feet
Space 112-F Grey Pipe Insulation	12	linear feet
Space 112-H Grey Pipe Insulation	10	linear feet
Space 112-I Grey Pipe Insulation	15	linear feet
Space 113 White Pipe Insulation	40	linear feet
Space 114 White Pipe Insulation	30	linear feet
Space 115 White Pipe Insulation	10	linear feet
Space 115-A Grey Pipe Insulation	15	linear feet
Main Corridor White Pipe Insulation	60	linear feet
Vestibule North Grey Pipe Insulation	20	linear feet

BASEMENT

Crawl Space		
White Pipe Insulation	4,025	linear feet

Total Asbestos Containing Materials in the Basement:

White Pipe Insulation:	**4,025**	**linear feet**

1ST FLOOR

Space 100 (Women's Bathroom-North)		
White Pipe Insulation	10	linear feet
Space 100 (Women's Bathroom-South)		
White Pipe Insulation	10	linear feet
Space 100A		
Grey Pipe Insulation	12	linear feet
Space 101		
White Pipe Insulation	100	linear feet
Corridor Leading to Space 101		
White Pipe Insulation	30	linear feet
Space 102-A		
Black Ceiling Tile & Cork Mastic	640	square feet
White Pipe Insulation	40	linear feet
Space 102-C		
White Pipe Insulation	10	linear feet
Space 104 A-J		
Grey Pipe Insulation	20	linear feet
Space 109-A		
White Pipe Insulation	50	linear feet
Hallway Leading to Space 109-A		
White Pipe Insulation	110	linear feet
Space 109-C		
White Pipe Insulation	80	linear feet

Total square/linear footage of asbestos containing materials

Pipe Insulation:	5,519	linear feet
Window Glaze:	6,300	square feet
Ceiling Tile/Cork Mastic:	640	linear feet

Total cost estimate for asbestos abatement

Pipe Insulation:	$82,800
Window Glaze:	$15,800
Ceiling Tile/Cork Mastic:	$1,300

The following pages summarize the materials that were found to be asbestos containing in Building 5.

IOLA CAMPUS
BUILDING 5
PHYSICAL SERVICES
ROCHESTER, NEW YORK

CONCLUSIONS

An asbestos survey was conducted by Paradigm Environmental Services, Inc. at the Iola Campus, Building 5, Rochester, New York on November 24 - December 4, 1997. The purpose of the survey was to identify the approximate locations and quantities of asbestos containing materials.

A walkthrough of the building was conducted by a Paradigm inspector, and a suspect list of materials that may contain asbestos was compiled from observations, notes, and drawings. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

For reporting, classification, and handling, the following rules were applied: Individual layers of aggregate materials containing one or more layers (such as floor tile and mastic) are analyzed as separate samples. However, if one layer is determined positive for asbestos, all subsequent layers are classified as ACM due to the necessity of handling all layers as a single system during removal activities or other disturbances. Friable materials are classified as ACM when confirmed positive by polarized light microscopy (PLM). Non-friable organically bound materials (NOB) are classified ACM when confirmed positive by PLM. NOB materials are classified as non-asbestos containing materials when tested negative by PLM are confirmed negative by subsequent transmission electron microscopy (TEM) analysis. In the absence of confirmatory TEM testing, NOB materials must be classified and handled as asbestos containing.

Paradigm reviewed the **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey** provided by Monroe County and noted the following:

The Paradigm inspectors concur with the condition of pipe insulation as noted in the May, 1996 labeling and inspection survey. The pipe insulation in the basement crawlspace of Building 5 remains in poor condition.

Paradigm reviewed the **1989 Survey of the County Buildings** provided by Monroe County and noted the following:

The **1989 Survey of the County Buildings** was incomplete in regard to the number of types of materials tested in the interior and exterior of Building 5. The 1989 survey included sampling and analysis of pipe insulation and ceiling tiles only. This survey includes sampling and analysis of additional possible asbestos containing material types. Of those materials sampled, Paradigm noted asbestos containing pipe insulation as stated on the 1989 report; however, the following additional materials are to be classified as ACM per the 1997 survey:

Window Caulk
Window Glaze
Ceiling Tile/Cork Mastic

SECTION III
CONCLUSIONS

SECTION III
CONCLUSIONS

IOLA CAMPUS
BUILDING 5
PHYSICAL SERVICES
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for reference to the Iola Campus, Building 5, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations of suspect asbestos containing materials within the building was subject to the accessibility of individual areas or spaces. Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

Paradigm assumes no liability for any buildings not identified by the client that may fall under state or federal regulations. Room 200B on the 2nd Floor could not be accessed for inspection at the time of this survey.

SECTION II
LIMITATIONS

IOLA CAMPUS
BUILDING 5
PHYSICAL SERVICES
ROCHESTER, NEW YORK

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the County of Monroe on November 24-December 4, 1997 to conduct an inspection for the detection of asbestos containing materials located the Iola Campus, Building 5, 350 East Henrietta Road, Rochester, New York.

Paradigm Environmental Services Inc.'s inspectors Paul Mahoney, inspector #AH 88-10022, Richard Merlau, inspector #AH-92-00699, and Shawn House, inspector #88-06583, conducted this inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to identify approximate locations and quantities of asbestos containing materials located within the Iola Campus, Building 5, Rochester, New York.

An initial walkthrough of the area requiring inspection was conducted by experienced inspectors who observed and recorded many of the materials used in the construction of the building. The inspector proceeded by assessing floor, wall, ceiling materials, surfacing materials, thermal systems insulation, roofing materials and miscellaneous materials. The inspection was organized and approached systematically to observe, record, and prepare a list of building materials that are suspected to contain asbestos.

The inspectors selected materials for inclusion in this report through an understanding of the historical uses of asbestos and the experience of the Paradigm staff. Generally, if a building material within a structure could contain asbestos, the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross referenced to prepared sketches. Individual samples were also recorded on a chain of custody document.

Samples were individually preserved within a container and transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples - New York State Department of Health, ELAP Method 198.1 ("Polarized Light Microscopy Methods for identifying and quantitating asbestos in bulk samples").

IOLA CAMPUS
BUILDING 5
PHYSICAL SERVICES
ROCHESTER, NEW YORK

INTRODUCTION

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SECTION I
INTRODUCTION

IOLA CAMPUS
BUILDING 5
PHYSICAL SERVICES
ROCHESTER, NEW YORK

TABLE OF CONTENTS

BUILDING #5
PHYSICAL SERVICES

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

T.E.M. Results

Client: County of Monroe
Location: Iola Complex, Building 4, 350 East Henrietta Road, Rochester, New York

Job No: 77301
Sample Date: 11/24/97

				TEM Analysis	
Client ID	**Lab ID**	**Sampling Location**	**Description**	**Total Asbestos**	**Asbestos Type**
FT-A.1	84719	First Floor, Bedroom 10	Green 9"x9" Floor Tile	<1.0%	None Detected
FTM-A.1	84720	First Floor, Bedroom 10	Yellow Floor Tile Mastic from **Sample 84719**	<1.0%	None Detected
Roof-A.1a	87947	Roof	Black Fibrous Roofing	<1.0%	None Detected
Roof-A.1b	87948	Roof	Black Fibrous Roofing	<1.0%	None Detected
Roof-A.1c	87949	Roof	Black with Grey Stones Fibrous Roofing	<1.0%	None Detected

ELAP ID No.: 10920

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.
N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY AMA ANALYTICAL SERVICES, INC.

Date Analyzed: 12/4/97, 12/10/97
Analyst: *Andreas Saldivar, Luis Bustillos*

Laboratory Results Approved By: _____

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 4, 350 East Henrietta Road, Rochester, New York
Job Number: 77587

Sample Date: 12/2/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
Roof-A.1a	87947	Roof	Black Fibrous Roofing	None Detected	0%	*	Cellulose 41%	59%
Roof-A.1b	87948	Roof	Black Fibrous Roofing	None Detected	0%	*	Cellulose 65% Fiberglass 13%	22%
Roof-A.1c	87949	Roof	Black with Grey Stones Fibrous Roofing	None Detected	0%	*	Cellulose 29%	71%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/3/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: _____

File ID: Iolab4.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 4, 350 East Henrietta Road, Rochester, New York
Job Number: 77301

Sample Date: 11/24/97
Page Number: 2 of 2

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
EPX-A.1	84728	Linen Closet	Red Epoxy Flooring	Chrysotile 12%	12%		None Detected	88%
CA-A.1	84729	Exterior of Building on Boarded up Windows	Yellow Fibrous Caulk	Chrysotile 12%	12%		None Detected	88%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: M. Ohrs

File ID: Iolab4.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 4, 350 East Henrietta Road, Rochester, New York
Job Number: 77301

Sample Date: 11/24/97

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
P-A.1	84718	First Floor, Bedroom 10	Grey Plaster	None Detected	0%		None Detected	100%
FT-A.1	84719	First Floor, Bedroom 10	Green 9"x9" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-A.1	84720	First Floor, Bedroom 10	Yellow Floor Tile Mastic from **Sample 84719**	None Detected	0%	*	Cellulose 6%	94%
FT-B.1	84721	First Floor, Reception Room	Grey 9"x9" Floor Tile	None Detected	0%	*	None Detected	100%
TP-A.1	84722	First Floor, Reception Room	Black Tar Paper from **Sample 84721**	None Detected	0%	*	Cellulose 75%	25%
TM-B.1	84723	First Floor, Reception Room	Black Fibrous Floor Tile Mastic from **Sample 84721**	Chrysotile 4%	4%		Cellulose 6%	90%
PI-A.1	84724	First Floor, Bathroom	White Fibrous Pipe Insulation	Chrysotile 57%	57%		Cellulose 18%	25%
WAC-A.1	84725	First Floor, West Sleeping Porch	Tan Wall Caulk	Chrysotile 9%	9%		None Detected	91%
WB-A.1	84726	First Floor, West Sleeping Porch	Brown Fibrous Wall Board	None Detected	0%		Cellulose 82%	18%
WG-A.1	84727	First Floor, West Sleeping Porch	White Window Glaze	None Detected	0%		None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

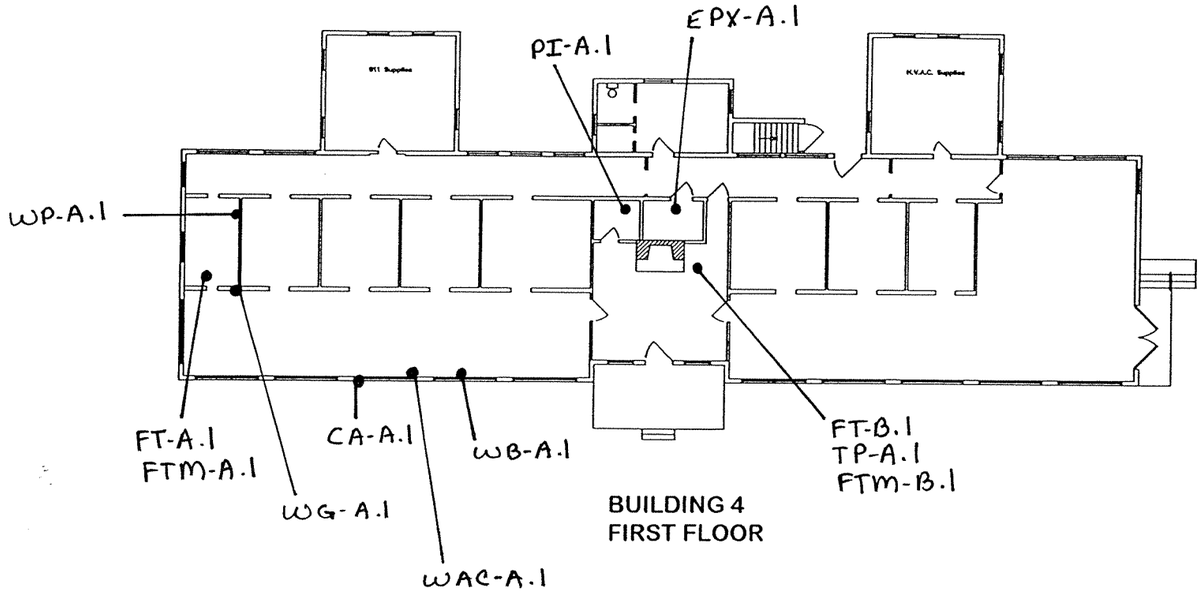
***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

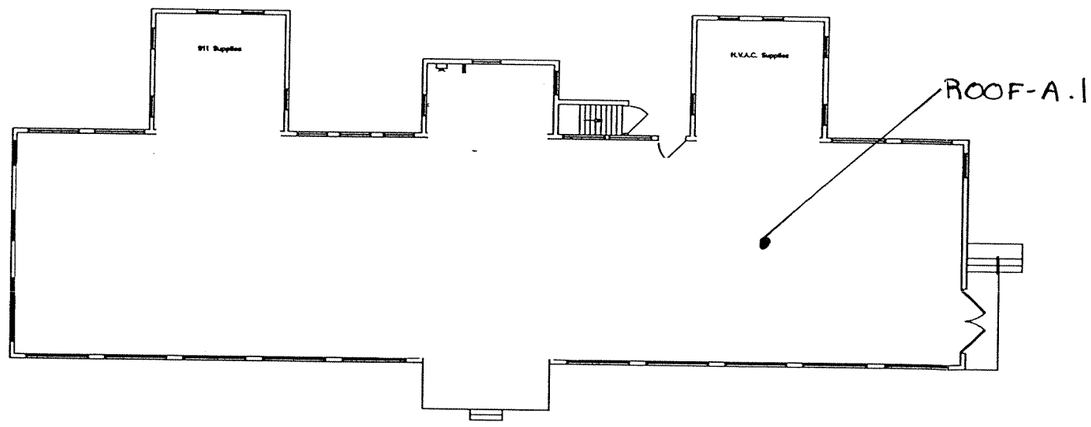
Laboratory Results Approved By:

File ID: lolab4.xls

SECTION V
LABORATORY REPORTS



BUILDING 4
FIRST FLOOR



BUILDING 4
ROOF

BUILDING 4
PARKS STORAGE

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997

SECTION IV
DRAWINGS

ATTIC

Attic		
White Pipe Insulation	125	linear feet

Total Asbestos Containing Materials in the Attic:

White Pipe Insulation:	**125**	**linear feet**

BUILDING EXTERIOR

Exterior		
Yellow Caulk	300	linear feet

Total Asbestos Containing Materials on the Building Exterior:

Yellow Caulk	**300**	**linear feet**

Paradigm certifies that this report is based on Paradigm's observations and believes it to be an accurate representation of the conditions as they existed on November 24-December 4, 1997.

*All quantities are approximations.

BASEMENT

Basement		
White Pipe Insulation	40	linear feet

Total Asbestos Containing Materials in the Basement:

White Pipe Insulation	**40**	**linear feet**

1ST FLOOR

Bathroom		
Grey 9" x 9" Floor Tile & Mastic	40	square feet
Black Tar Paper	40	square feet
White Pipe Insulation	2	linear feet
Linen Closet		
Red Epoxy Floor	40	square feet
Reception Room		
Grey 9" x 9" Floor Tile & Mastic	425	square feet
Black Tar Paper	425	square feet
Sleeping Porch West		
Tan Wall Caulk	150	linear feet
Sleeping Porch East		
Tan Wall Caulk	150	linear feet

Total Asbestos Containing Materials on the 1st Floor:

Grey 9"x 9" Floor Tile & Mastic:	**465**	**square feet**
Black Tar Paper:	**465**	**square feet**
White Pipe Insulation:	**2**	**linear feet**
Red Epoxy Floor:	**40**	**square feet**
Tan Wall Caulk:	**300**	**square feet**

Window Caulk
Epoxy Flooring
Floor Tile, Tar Paper, & Mastic
Wall Caulk

Total square/linear footage of asbestos containing materials:

Pipe Insulation:	167	linear feet
Floor Tile, Tar Paper, & Mastic:	465	square feet
Epoxy Flooring:	40	square feet
Wall Caulk:	300	square feet
Window Caulk:	300	linear feet

Total cost estimate for asbestos abatement:

Pipe Insulation:	$2,500
Floor Tile, Tar Paper, & Mastic:	$1,300
Epoxy Flooring:	$500
Wall Caulk:	$600
Window Caulk:	$1,400

The following pages summarize the materials that were found to be asbestos containing in Building 4.

Of those materials sampled, Paradigm noted asbestos containing pipe insulation as stated on the 1989 report; however, the following additional materials are to be classified as ACM per the 1997 survey:

Window Caulk
Epoxy Flooring
Floor Tile, Tar Paper, & Mastic
Wall Caulk

Total square/linear footage of asbestos containing materials:

Pipe Insulation:	167	linear feet
Floor Tile, Tar Paper, & Mastic:	465	square feet
Epoxy Flooring:	40	square feet
Wall Caulk:	300	square feet
Window Caulk:	300	linear feet

Total cost estimate for asbestos abatement:

Pipe Insulation:	$2,500
Floor Tile, Tar Paper, & Mastic:	$1,300
Epoxy Flooring:	$500
Wall Caulk:	$600
Window Caulk:	$1,400

The following pages summarize the materials that were found to be asbestos containing in Building 4.

IOLA CAMPUS
BUILDING 4
LODGE
ROCHESTER, NEW YORK

CONCLUSIONS

An asbestos survey was conducted by Paradigm Environmental Services, Inc. at the Iola Campus, Building 4, Rochester, New York on November 24 - December 4, 1997. The purpose of the survey was to identify the approximate locations and quantities of asbestos containing materials.

A walkthrough of the building was conducted by Paradigm inspectors and a suspect list of materials that may contain asbestos was compiled from observations, notes, and drawings. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

For reporting, classification, and handling, the following rules were applied: Individual layers of aggregate materials containing one or more layers (such as floor tile and mastic) are analyzed as separate samples. However, if one layer is determined positive for asbestos, all subsequent layers are classified as ACM due to the necessity of handling all layers as a single system during removal activities or other disturbances. Friable materials are classified as ACM when confirmed positive by polarized light microscopy (PLM). Non-friable organically bound materials (NOB) are classified as ACM when confirmed positive by PLM. NOB materials are classified as non-asbestos containing materials when tested negative by PLM and confirmed negative by subsequent transmission electron microscopy (TEM) analysis. In the absence of confirmatory TEM testing, NOB materials must be classified and handled as asbestos containing.

The Paradigm inspectors noted asbestos containing pipe insulation located in the attic to be in poor condition.

Paradigm reviewed the **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey** provided by Monroe County and noted the following:

The **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey Report** refers to the Steam Tunnels, Power House, and Building 5 only.

Paradigm cannot compare the 1996 Asbestos Survey to this survey due to the fact that Building 4 was not included in the 1996 report.

Paradigm reviewed the **1989 Survey of the County Buildings** provided by Monroe County and noted the following:

The **1989 Survey of the County Buildings Report** was incomplete in regard to the number of types of materials tested in the interior and exterior of Building 4. The 1989 survey included sampling and analysis of pipe insulation and ceiling tiles only. This survey includes sampling and analysis of additional possible asbestos containing material types.

SECTION III
CONCLUSIONS

IOLA CAMPUS
BUILDING 4
LODGE
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for reference to the Iola Campus, Building 4, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations of suspect asbestos containing materials within the building was subject to the accessibility of individual areas or spaces. Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

Paradigm assumes no liability for any buildings not identified by the client that may fall under state or federal regulations. Bedroom #6 on the first floor could not be accessed for sampling at the time of this inspection.

SECTION II
LIMITATIONS

IOLA CAMPUS
BUILDING 4
LODGE
ROCHESTER, NEW YORK

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the County of Monroe on November 24-December 4, 1997 to conduct an inspection for the detection of asbestos containing materials located the Iola Campus, Building 4, 350 East Henrietta Road, Rochester, New York.

Paradigm Environmental Services Inc.'s inspectors Paul Mahoney, inspector #AH 88-10022, Richard Merlau, inspector #AH-92-00699, and Shawn House, inspector #88-06583, conducted this inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to identify approximate locations and quantities of asbestos containing materials located within the Iola Campus, Building 4, Rochester, New York.

An initial walkthrough of the area requiring inspection was conducted by experienced inspectors who observed and recorded many of the materials used in the construction of the building. The inspector proceeded by assessing floor, wall, ceiling materials, surfacing materials, thermal systems insulation, roofing materials and miscellaneous materials. The inspection was organized and approached systematically to observe, record, and prepare a list of building materials that are suspected to contain asbestos.

The inspectors selected materials for inclusion in this report through an understanding of the historical uses of asbestos and the experience of the Paradigm staff. Generally, if a building material within a structure could contain asbestos, the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross referenced to prepared sketches. Individual samples were also recorded on a chain of custody document.

Samples were individually preserved within a container and transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples - New York State Department of Health, ELAP Method 198.1 ("Polarized Light Microscopy Methods for identifying and quantitating asbestos in bulk samples").

SECTION I
INTRODUCTION

IOLA CAMPUS
BUILDING 4
LODGE
ROCHESTER, NEW YORK

TABLE OF CONTENTS

BUILDING #4
LODGE

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

T.E.M. Results

Client: County of Monroe
Location: Iola Complex, Building 2, 350 East Henrietta Road, Rochester, New York

Job No: 77319
Sample Date: 11/24/97
Page Number: 1 of 1

				TEM Analysis	
Client ID	**Lab ID**	**Sampling Location**	**Description**	**Total Asbestos**	**Asbestos Type**
CRM-A.1	84862	Garage Area Old Restroom	Tan Ceramic Tile Mastic	<1.0%	None Detected
Roof-A.1a	87945	Roof	Black Fibrous Roofing	<1.0%	None Detected
Roof-A.1b	87946	Roof	Black with Grey Stones Fibrous Roofing	<1.0%	None Detected

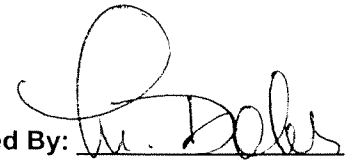
ELAP ID No.: 10920

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.
N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY AMA ANALYTICAL SERVICES, INC.

Date Analyzed: 12/4/97, 12/10/97
Analyst: *Andreas Saldivar, Luis Bustillos*

Laboratory Results Approved By:



File ID: Iolab2.xls

PARADIGM Environmental ervices, Inc. 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe

Location: Iola Complex, Building 2, 350 East Henrietta Road, Rochester, New York

Job Number: 77587

Sample Date: 12/2/97

Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
Roof-A.1a	87945	Roof	Black Fibrous Roofing	None Detected	0%	*	Cellulose 39% Fiberglass 8%	53%
Roof-A.1b	87946	Roof	Black with Grey Stones Fibrous Roofing	None Detected	0%	*	Cellulose 26%	74%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/3/97
Microscope: Olympus BH-2 #235757
ˑnalyst: *Patrick Fitzgerald*

Laboratory Results Approved By: [signature]

File ID: Iolab2.xls

PARADIGM
Environmental
ervices, Inc.

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 2, 350 East Henrietta Road, Rochester, New York
Job Number: 77319

Sample Date: 11/24/97
Page Number: 1 of 1

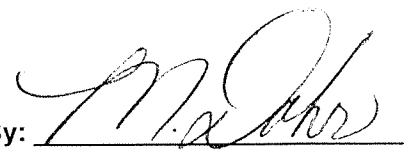
Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PI-A.1	84861	Garage Area Above Plaster	White Fibrous Pipe Insulation	Chrysotile 40%	40%		None Detected	60%
CRM-A.1	84862	Garage Area Old Restroom	Tan Ceramic Tile Mastic	None Detected	0%	*	None Detected	100%
EPX-A.1	84863	Rodent Control Room	Red Epoxy	Chrysotile 9%	9%		None Detected	91%
P-A.1	84864	Garage Area	Grey Plaster	None Detected	0%		Cellulose 6%	94%
WG-A.1	84865	Exterior Window, North Porch	White Window Glaze	None Detected	0%		None Detected	100%
WG-B.1	84866	Exterior Window, East Side	Red Window Glaze	None Detected	0%		None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

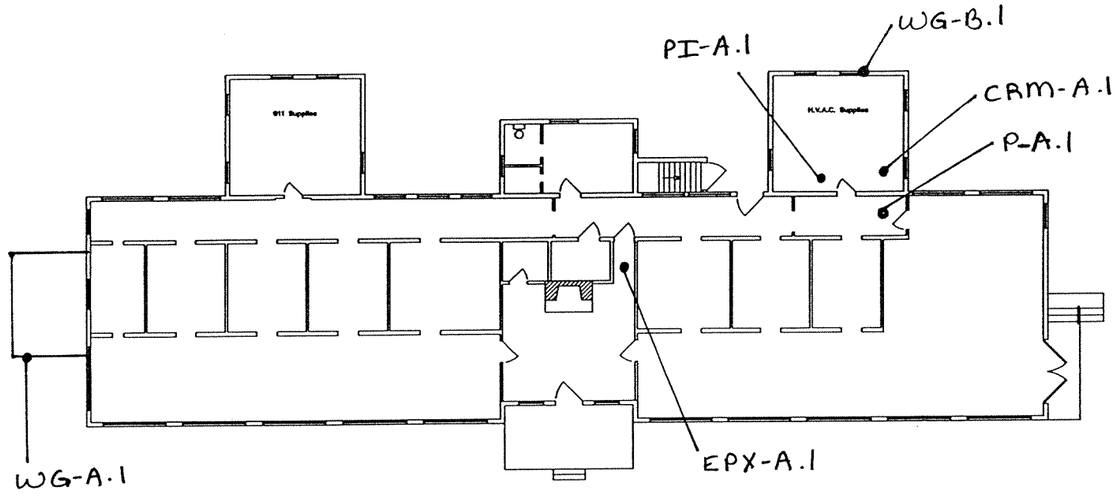
***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

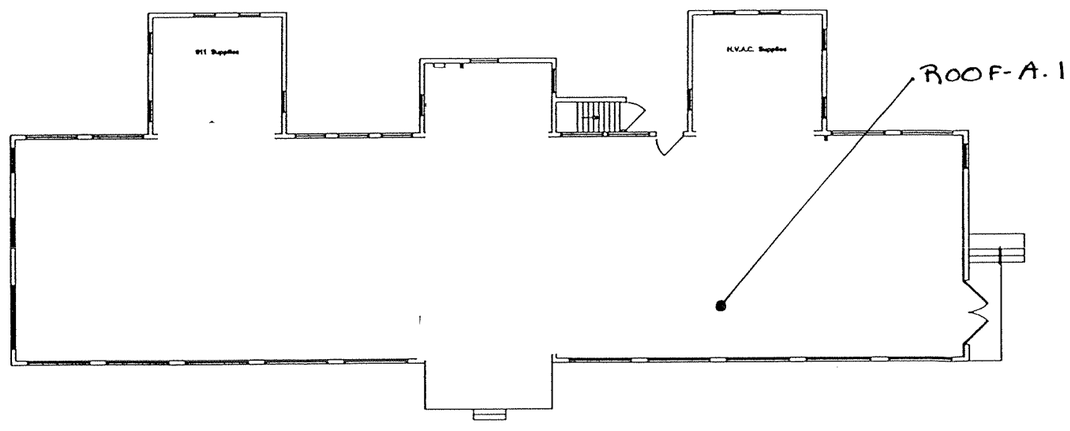
Laboratory Results Approved By: 

File ID: Iolab2.xls

SECTION V
LABORATORY REPORTS



BUILDING 2
FIRST FLOOR



BUILDING 2
ROOF

BUILDING 2
PHYSICAL SERVICES

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997

SECTION IV
DRAWINGS

BASEMENT

Basement		
White Pipe Insulation	50	linear feet

Total Asbestos Containing Materials in the Basement:

White Pipe Insulation:	**50**	**linear feet**

1ST FLOOR

Construction Storage		
White Pipe Insulation	60	linear feet
Garage/Shop		
White Pipe Insulation	300	linear feet
Lawn Mower Storage		
White Pipe Insulation	220	linear feet
Paint Department		
White Pipe Insulation	220	linear feet
Rodent Control		
Red Epoxy Floor	500	square feet
White Pipe Insulation	300	linear feet

Total Asbestos Containing Materials on the 1st Floor:

Red Epoxy Floor:	**500**	**square feet**
White Pipe Insulation:	**1,110**	**linear feet**

Paradigm certifies that this report is based on Paradigm's observations and believes it to be an accurate representation of the conditions as they existed on November 24-December 4, 1997.

*All quantities are approximations.

This survey includes sampling and analysis of additional possible asbestos containing materials types. Of those materials sampled, Paradigm noted asbestos containing pipe insulation as stated on the 1989 report; however, the following additional materials are to be classified as ACM as per the 1997 survey:

Epoxy Flooring

Total square/linear footage of asbestos containing materials

Pipe Insulation:	1,160	linear feet
Epoxy Flooring:	500	square feet

Total cost estimate for asbestos abatement

Pipe Insulation:	$17,400
Epoxy Flooring:	$1,250

The following pages summarize the materials that were found to be asbestos containing in Building 2.

IOLA CAMPUS
BUILDING 2
LODGE
ROCHESTER, NEW YORK

CONCLUSIONS

An asbestos survey was conducted by Paradigm Environmental Services, Inc. at the Iola Campus, Building 2, Rochester, New York on November 24 - December 4, 1997. The purpose of the survey was to identify the approximate locations and quantities of asbestos containing materials.

A walkthrough of the building was conducted by Paradigm inspectors, and a suspect list of materials that may contain asbestos was compiled from observations, notes, and drawings.

Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

For reporting, classification, and handling, the following rules were applied: Individual layers of aggregate materials containing one or more layers (such as floor tile and mastic) are analyzed as separate samples. However, if one layer is determined positive for asbestos, all subsequent layers are classified as ACM due to the necessity of handling all layers as a single system during removal activities or other disturbances. Friable materials are classified as ACM when confirmed positive by polarized light microscopy (PLM). Non-friable organically bound materials (NOB) are classified as ACM when confirmed positive by PLM. NOB materials are classified as non-asbestos containing materials when tested negative by PLM and confirmed negative by subsequent transmission electron microscopy (TEM) analysis. In the absence of confirmatory TEM testing, NOB materials must be classified and handled as asbestos containing.

The Paradigm inspectors noted asbestos containing pipe insulation located in the attic to be in poor condition.

Paradigm reviewed the **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey** provided by Monroe County and noted the following:

The **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey Report** refers to the Steam Tunnels, Power House, and Building 5 only.

Paradigm cannot compare the **1996 Asbestos Survey** to this survey due to the fact that Building 2 was not included in the 1996 report.

Paradigm reviewed the **1989 Survey of the County Buildings** report provided by Monroe County and noted the following:

The **1989 Survey of the County Buildings Report** was incomplete in regard to the number of types of materials tested in the interior and exterior of Building 2. The 1989 survey included sampling and analysis of pipe insulation only.

SECTION III
CONCLUSIONS

IOLA CAMPUS
BUILDING 2
LODGE
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for reference to the Iola Campus, Building 2, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations of suspect asbestos containing materials within the building was subject to the accessibility of individual areas or spaces. Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

Paradigm assumes no liability for any buildings not identified by the client that may fall under state or federal regulations.

SECTION II
LIMITATIONS

IOLA CAMPUS
BUILDING 2
LODGE
ROCHESTER, NEW YORK

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the County of Monroe on November 24-December 4, 1997 to conduct an inspection for the detection of asbestos containing materials located the Iola Campus, Building 2, 350 East Henrietta Road, Rochester, New York.

Paradigm Environmental Services Inc.'s, inspectors Paul Mahoney, inspector #AH 88-10022, Richard Merlau, inspector #AH-92-00699, and Shawn House, inspector #88-06583, conducted this inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to identify approximate locations and quantities of asbestos containing materials located within the Iola Campus, Building 2, Rochester, New York.

An initial walkthrough of the area requiring inspection was conducted by experienced inspectors who observed and recorded many of the materials used in the construction of the building. The inspector proceeded by assessing floor, wall, ceiling materials, surfacing materials, thermal systems insulation, roofing materials and miscellaneous materials. The inspection was organized and approached systematically to observe, record, and prepare a list of building materials that are suspected to contain asbestos.

The inspectors selected materials for inclusion in this report through an understanding of the historical uses of asbestos and the experience of the Paradigm staff. Generally, if a building material within a structure could contain asbestos, the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross referenced to prepared sketches. Individual samples were also recorded on a chain of custody document.

Samples were individually preserved within a container and transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples - New York State Department of Health, ELAP Method 198.1 ("Polarized Light Microscopy Methods for identifying and quantitating asbestos in bulk samples").

SECTION I
INTRODUCTION

IOLA CAMPUS
BUILDING 2
LODGE
ROCHESTER, NEW YORK

TABLE OF CONTENTS

BUILDING #2
LODGE

PARADIGM Environmental Services, Inc. 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

T.E.M. Results

Client: County of Monroe
Location: Iola Complex, Building 1, 350 East Henrietta Road, Rochester, New York

Job No: 77303
Sample Date: 11/24/97

Client ID	Lab ID	Sampling Location	Description	TEM Analysis: Total Asbestos	TEM Analysis: Asbestos Type
Roof-A.1a	87940	Roof	Black Fibrous Roofing	<1.0%	None Detected
Roof-A.1b	87941	Roof	Black with Grey Stones Fibrous Roofing	<1.0%	None Detected
Flashing - A.1a	87943	Roof	Black Fibrous Roof Flashing	<1.0%	None Detected
Flashing - A.1b	87944	Roof	Black Fibrous Roof Flashing	<1.0%	None Detected

ELAP ID No.: 10920

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.
N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY AMA ANALYTICAL SERVICES, INC.

Date Analyzed: 12/4/97, 12/10/97
Analyst: *Andreas Saldivar, Luis Bustillos*

Laboratory Results Approved By:

File ID: Iolab1.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

T.E.M. Results

Client: County of Monroe
Location: Iola Complex, Building 1, 350 East Henrietta Road, Rochester, New York

Job No: 77303
Sample Date: 11/24/97

Client ID	Lab ID	Sampling Location	Description	TEM Analysis	
				Total Asbestos	Asbestos Type
FT-A.1	84738	Basement, Room 5, Northwest Corner	Tan 12"x12" Floor Tile	2.80%	Chrysotile
FTM-A.1	84739	Basement, Room 5, Northwest Corner	Black Fibrous Floor Tile Mastic from **Sample 84738**	<1.0%	Trace Chrysotile
CMF-A.1	84742	Basement, Room 07 OMH Conference Room	Yellow Carpet Mastic on Floor	<1.0%	None Detected
CMM-A.1	84743	Basement, Room 07 OMH Conference Room	Tan Cove Molding Mastic	<1.0%	None Detected
SV-B.1	84744	Third Floor, Break Room	White Sheet Vinyl	<1.0%	None Detected
SVM-B.1	84745	Third Floor, Break Room	Tan Sheet Vinyl Mastic from **Sample 84745**	<1.0%	None Detected
SV-A.1	84746	Second Floor, Room 204-A	Grey Sheet Vinyl	<1.0%	None Detected
SVM-A.1	84747	Second Floor, Room 204-A	Yellow Sheet Vinyl Mastic from **Sample 84746**	<1.0%	None Detected
FT-D.1	87067	Room 300	Green 9"x9" Floor Tile	<1.0%	None Detected
FTM-D.1	87068	Room 300	Brown Floor Tile Mastic from **Sample 87067**	<1.0%	None Detected

ELAP ID No.: 10920

The samples were analyzed by Transmission Electron Microscopy, according to the State of New York DOH ELAP Method 198.1 and 198.4.
N/A - Not Applicable

TEM ANALYSIS ONLY PERFORMED BY AMA ANALYTICAL SERVICES, INC.

Date Analyzed: 12/4/97, 12/10/97
Analyst: *Andreas Saldivar, Luis Bustillos*

Laboratory Results Approved By:

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 1, 350 East Henrietta Road, Rochester, New York
Job Number: 77303
Sample Date: 11/24/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PI-A.1	84734	Basement, Room 07	Yellow Fibrous Pipe Insulation	None Detected	0%		Mineral Wool 100%	0%
PI-B.1	84735	Basement, Hallway Adjacent to Women's Rest Room	White Fibrous Pipe Insulation	Chrysotile 40%	40%		Cellulose 18%	42%
PI-C.1	84736	Basement, Hallway Adjacent to Women's Rest Room	Grey Fibrous Pipe Insulation	Chrysotile 18%	18%		Cellulose 55%	27%
SCT-A.1	84737	Basement, Room 07 OMH Conference Room	White Fibrous 2'x4' Suspended Ceiling Tile	None Detected	0%		Cellulose 18% Mineral Wool 60%	22%
FT-A.1	84738	Basement, Room 5, Northwest Corner	Tan 12"x12" Floor Tile	None Detected	0%	*	None Detected	100%
TM-A.1	84739	Basement, Room 5, Northwest Corner	Black Fibrous Floor Tile Mastic from **Sample 84738**	None Detected	0%	*	Cellulose 15%	85%
WS-A.1	84740	Basement, Auditorium, Room 4	White Fibrous Wall System, Drywall & Spackle	None Detected	0%		Cellulose 15%	85%
DW-A.1	84741	Basement, Room 06, Break Room	White Fibrous Drywall	None Detected	0%		Cellulose 29%	71%
CMF-A.1	84742	Basement, Room 07 OMH Conference Room	Yellow Carpet Mastic on Floor	None Detected	0%	*	None Detected	100%
CMM-A.1	84743	Basement, Room 07 OMH Conference Room	Tan Cove Molding Mastic	None Detected	0%	*	None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
alyst: *Patrick Fitzgerald*

Laboratory Results Approved By:

File ID: Iolab1.xls

PARADIGM
Environmental
ervices, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 1, 350 East Henrietta Road, Rochester, New York
Job Number: 77302
Sample Date: 11/24/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
SCT-B.1	84730	First Floor, Room 118 Center	White Fibrous 2'x4' Suspended Ceiling Tile	None Detected	0%		Cellulose 62% Mineral Wool 20%	18%
P-A.1	84733	First Floor, Room 117 Column	White Plaster	None Detected	0%		None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
Analyst: *Mary Dohr*

Laboratory Results Approved By: M. Dohr

File ID: lolab1.xls

PARADIGM
Environmental 179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311
rvices, Inc.

Client: County of Monroe
Location: Iola Complex, Building 1, 350 East Henrietta Road, Rochester, New York
Job Number: 77304

Sample Date: 11/24/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
SV-B.1	84744	Third Floor, Break Room	White Sheet Vinyl	None Detected	0%	*	None Detected	100%
SVM-B.1	84745	Third Floor, Break Room	Tan Sheet Vinyl Mastic from **Sample 84745**	None Detected	0%	*	Cellulose 8%	92%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
Analyst: *Mary Dohr*

Laboratory Results Approved By: M. Dohr

File ID: Iolab1.xls

PARADIGM
Environmental
ervices, Inc.

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 1, 350 East Henrietta Road, Rochester, New York
Job Number: 77305
Sample Date: 11/24/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
SV-A.1	84746	Second Floor, Room 204-A	Grey Sheet Vinyl	None Detected	0%	*	None Detected	100%
SVM-A.1	84747	Second Floor, Room 204-A	Yellow Sheet Vinyl Mastic from **Sample 84746**	None Detected	0%	*	None Detected	100%
FT-C.1	84748	Second Floor, Hallway	Brown Fibrous 9"x9" Floor Tile	Chrysotile 23%	23%		None Detected	77%
FTM-C.1	84749	Second Floor, Hallway	Black Floor Tile Mastic from **Sample 84748**	None Detected	0%	*	Cellulose 6%	94%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
alyst: *Mary Dohr*

Laboratory Results Approved By: _____

File ID: Iolab1.xls

PARADIGM
Environmental Services, Inc.
179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 1, 350 East Henrietta Road, Rochester, New York
Job Number: 77489
Sample Date: 12/1/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
FT-D.1	87067	Room 300	Green 9"x9" Floor Tile	None Detected	0%	*	None Detected	100%
FTM-D.1	87068	Room 300	Brown Floor Tile Mastic from **Sample 87067**	None Detected	0%	*	None Detected	100%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/1/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

Laboratory Results Approved By: _____

File ID: Iolab1.xls

PARADIGM
Environmental
ervices, Inc.

179 Lake Avenue Rochester, New York 716-647-2530 FAX 716-647-3311

Client: County of Monroe
Location: Iola Complex, Building 1, 350 East Henrietta Road, Rochester, New York
Job Number: 77587

Sample Date: 12/2/97
Page Number: 1 of 1

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
Roof-A.1a	87940	Roof	Black Fibrous Roofing	None Detected	0%	*	Cellulose 12% Fiberglass 45%	43%
Roof-A.1b	87941	Roof	Black with Grey Stones Fibrous Roofing	None Detected	0%	*	Cellulose 19% Fiberglass 38%	43%
Roof-A.1c	87942	Roof	White/Black Fibrous Insulation	None Detected	0%		Mineral Wool 44% Cellulose 18%	38%
Flashing - A.1a	87943	Roof	Black Fibrous Roof Flashing	None Detected	0%	*	Cellulose 20% Fiberglass 36%	44%
Flashing - A.1b	87944	Roof	Black Fibrous Roof Flashing	None Detected	0%	*	Cellulose 33% Fiberglass 4%	67%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

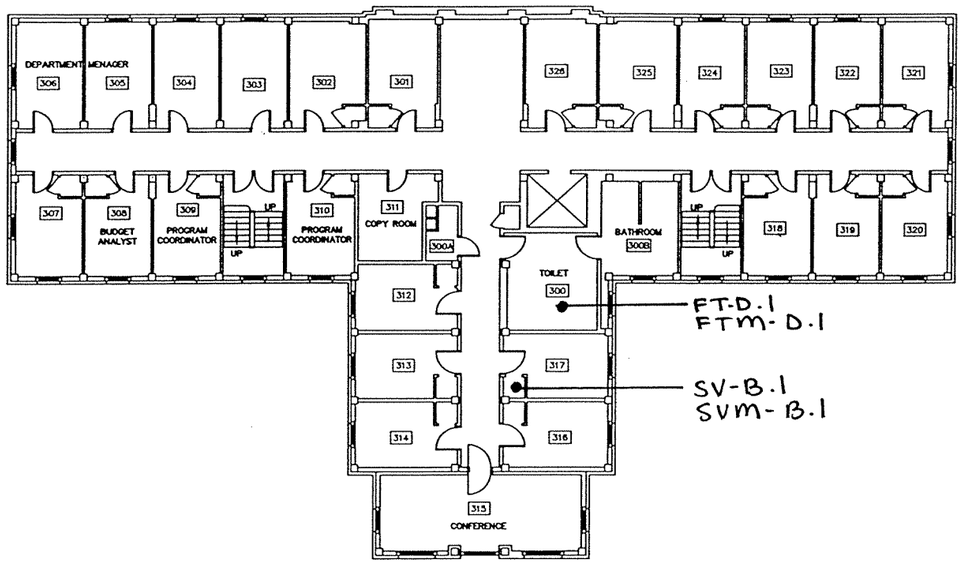
***Polarized Light Microscopy is not consistently reliable in detecting asbestos in non-friable organically bound materials.**
Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Date Analyzed: 12/3/97
Microscope: Olympus BH-2 #235757
Analyst: *Patrick Fitzgerald*

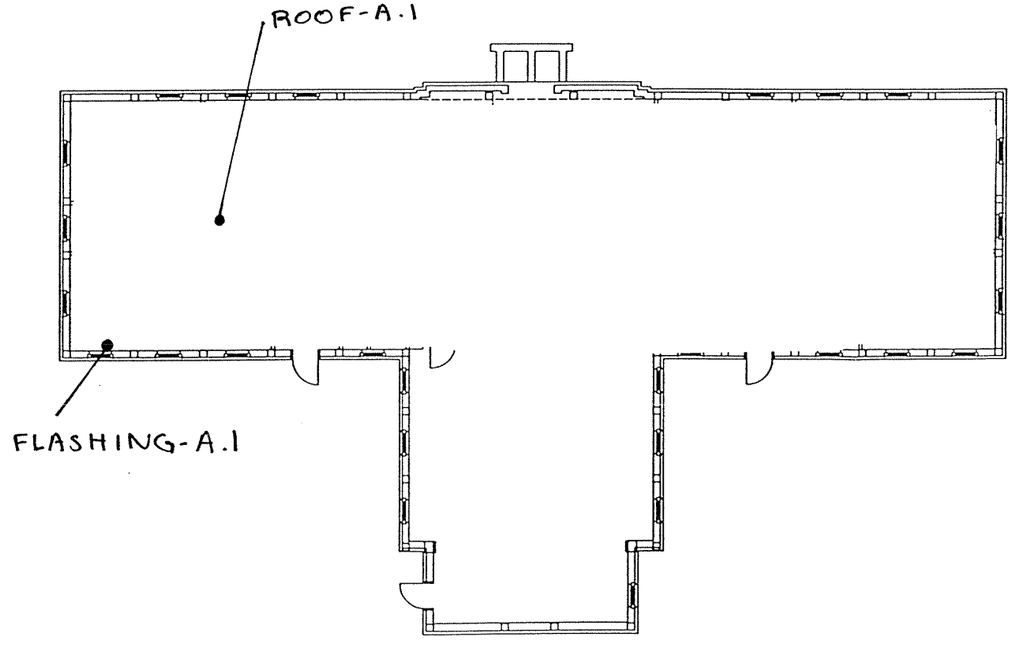
Laboratory Results Approved By: _____

File ID: Iolab1.xls

SECTION V
LABORATORY REPORTS



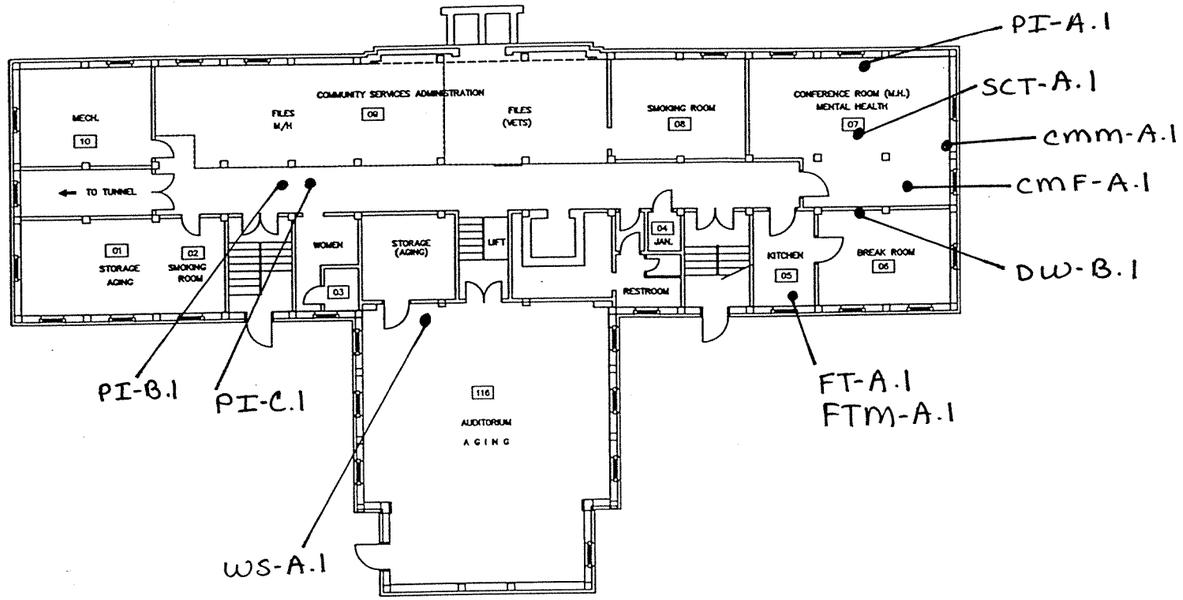
BUILDING 1
THIRD FLOOR



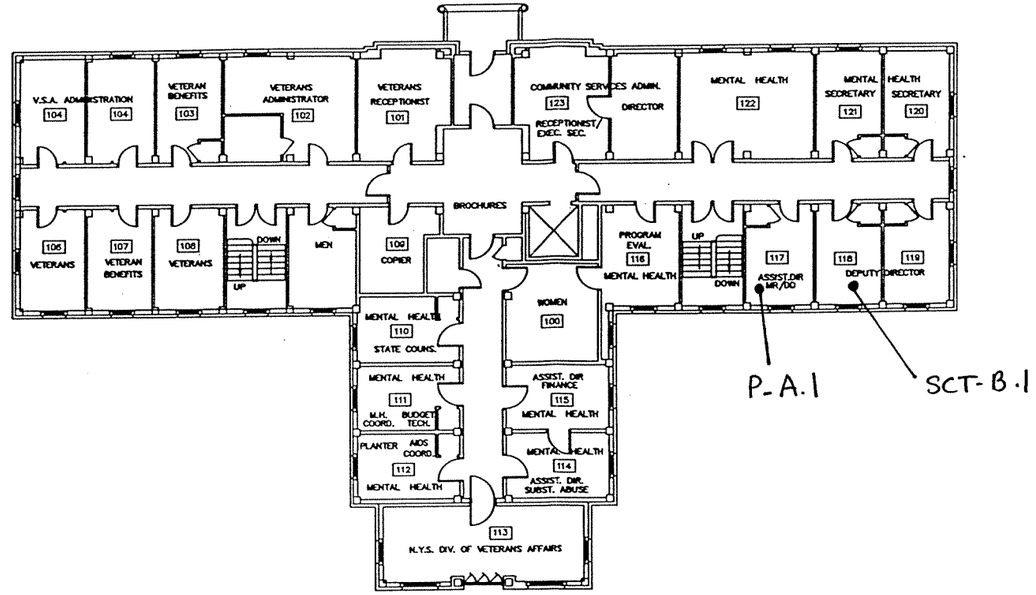
BUILDING 1
ROOF

BUILDING 1
COMMUNITY SERVICES

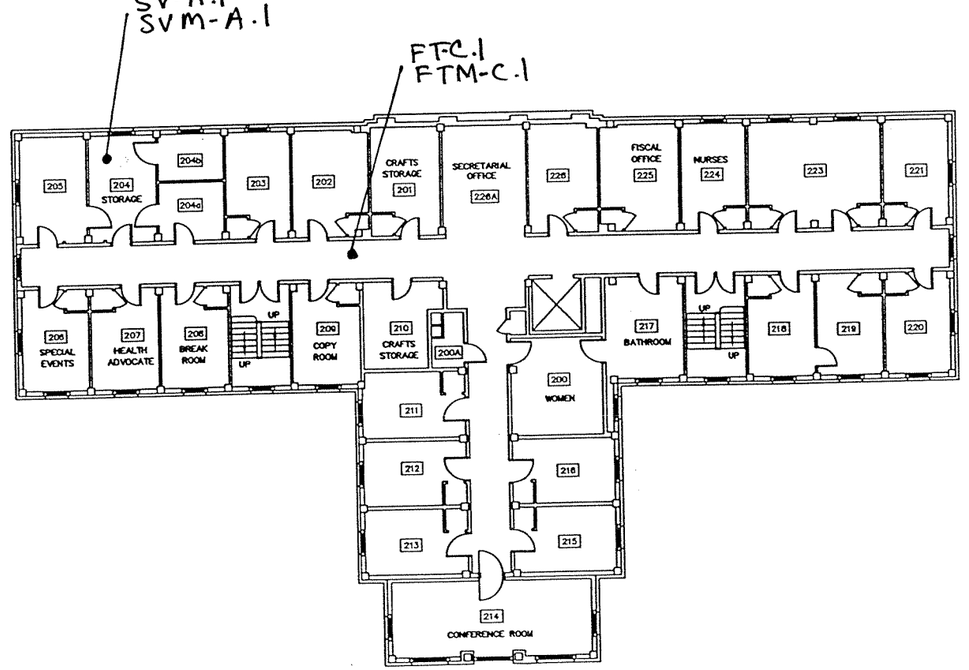
MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997



BUILDING 1
BASEMENT



BUILDING 1
FIRST FLOOR



BUILDING 1
SECOND FLOOR

BUILDING 1
COMMUNITY SERVICES

MONROE COUNTY
IOLA CAMPUS
ASBESTOS SURVEY
DECEMBER, 1997

SECTION IV
DRAWINGS

ELEVATOR/STAIRWELLS

Elevator		
Brown 9"x 9" Floor Tile & Mastic	30	square feet
East Stairwell		
White Pipe Insulation	20	linear feet
West Stairwell		
White Pipe Insulation	20	linear feet

Total Asbestos Containing Materials found in the Elevator/Stairwells:

Brown 9" x 9" Floor Tile & Mastic:	**30**	**square feet**
White Pipe Insulation:	**40**	**linear feet**

Paradigm certifies that this report is based on Paradigm's observations and believes it to be an accurate representation of the conditions as they existed on November 24 - December 4, 1997.

*All quantities are approximations.

3RD FLOOR CONTINUED

Space 325		
Brown 9" x 9" Floor Tile & Mastic	150	square feet

Total Asbestos Containing Materials on the 3rd Floor:

Brown 9" x 9" Floor Tile & Mastic:	**3,150**	**square feet**

3RD FLOOR

Space 301 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 302, 303, & 304 Brown 9" x 9" Floor Tile & Mastic	450	square feet
Space 305 & 306 Brown 9" x 9" Floor Tile & Mastic	300	square feet
Space 307 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 308 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 309 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 310 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 312 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 313 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 314 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 318 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 319 & 320 Brown 9" x 9" Floor Tile & Mastic	300	square feet
Space 321 & 322 Brown 9" x 9" Floor Tile & Mastic	300	square feet
Space 323 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 324 Brown 9" x 9" Floor Tile & Mastic	150	square feet

2ND FLOOR CONTINUED

Space 221		
Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 223		
Brown 9" x 9" Floor Tile & Mastic	300	square feet
Space 224		
Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 225		
Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 226		
Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 226A (Secretary's Office)		
Brown 9" x 9" Floor Tile & Mastic	300	square feet
East/West Corridor (Including Secretary's Office)		
Brown 9" x 9" Floor Tile & Mastic	1,200	square feet
South Corridor		
Brown 9" x 9" Floor Tile & Mastic	240	square feet

Total Asbestos Containing Materials on the 2nd Floor:

Brown 9" x 9" Floor Tile & Mastic	**5,190**	**square feet**

2ND FLOOR

Space 201 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 202 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 203 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 205 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 206 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 207 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 208 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 209 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 210 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 211 & 212 Brown 9" x 9" Floor Tile & Mastic	300	square feet
Space 213 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 215 & 216 Brown 9"x 9" Floor Tile & Mastic	300	square feet
Space 217 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 218 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 219 & 220 Brown 9" x 9" Floor Tile & Mastic	150	square feet

1ST FLOOR CONTINUED

Total Asbestos Containing Materials on the 1st Floor:

Brown 9" x 9" Floor Tile & Mastic	**3,430**	**square feet**

1ST FLOOR

Space 101 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 102 & 102-A Brown 9" x 9" Floor Tile & Mastic	300	square feet
Space 103 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 104 & 105 Brown 9" x 9" Floor Tile & Mastic	300	square feet
Space 106, 107, & 108 Brown 9" x 9" Floor Tile & Mastic	450	square feet
Space 109 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 110 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 111 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 112 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 114 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Space 115 Brown 9" x 9" Floor Tile & Mastic	150	square feet
Lobby* Brown 9" x 9" Floor Tile & Mastic	540	square feet
West Corridor Brown 9" x 9" Floor Tile & Mastic	400	square feet
South Corridor Brown 9" x 9" Floor Tile & Mastic	240	square feet

*The brown floor tile and mastic is layered with white floor tile and mastic in the Lobby. The brown floor tile was found to be asbestos containing; therefore, the white floor tile and mastic was not analyzed as these floor tiles must be removed simultaneously.

BASEMENT

Space 02		
White Pipe Insulation	150	linear feet
Space 04 (Auditorium)		
White Pipe Insulation	80	linear feet
Grey Pipe Insulation	45	linear feet
Space 05		
Tan 12" x 12" Floor Tile & Mastic	160	square feet
White Pipe Insulation	20	linear feet
Grey Pipe Insulation	40	linear feet
Space 06		
White Pipe Insulation	50	linear feet
Space 07		
White Pipe Insulation	40	linear feet
Grey Pipe Insulation	30	linear feet
Space 08		
White Pipe Insulation	30	linear feet
Space 09		
White Pipe Insulation	80	linear feet
Corridor		
White Pipe Insulation	160	linear feet
Grey Pipe Insulation	160	linear feet
Janitor's Closet		
White Pipe Insulation	15	linear feet
Restroom		
White Pipe Insulation	30	linear feet
Women's Room		
White Pipe Insulation	25	linear feet

Total Asbestos Containing Materials in the Basement:

Tan 12" x 12" Floor Tile & Mastic:	**160**	**square feet**
White Pipe Insulation:	**680**	**linear feet**
Grey Pipe Insulation:	**275**	**linear feet**

Total square/linear footage of asbestos containing materials

Floor Tile and Mastic:	11,960	square feet
Pipe Insulation:	995	linear feet

Total cost estimate for asbestos abatement

Floor Tile and Mastic:	$27,000
Pipe Insulation:	$15,000

The following pages summarize the materials that were found to be asbestos containing in Building 1.

IOLA CAMPUS
BUILDING 1
COMMUNITY SERVICES
ROCHESTER, NEW YORK

CONCLUSIONS

An asbestos survey was conducted by Paradigm Environmental Services, Inc. at the Iola Campus, Building 1, Rochester, New York on November 24 - December 4, 1997. The purpose of the survey was to identify the approximate locations and quantities of asbestos containing materials.

A walkthrough of the building was conducted by Paradigm inspectors, and a suspect list of materials that may contain asbestos was compiled from observations, notes, and drawings. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

For reporting, classification, and handling, the following rules were applied: Individual layers of aggregate materials containing one or more layers (such as floor tile and mastic) are analyzed as separate samples. However, if one layer is determined positive for asbestos, all subsequent layers are classified as ACM due to the necessity of handling all layers as a single system during removal activities or other disturbances. Friable materials classified as ACM when confirmed positive by polarized light microscopy (PLM). Non-friable organically bound materials (NOB) are classified ACM when confirmed positive by PLM. NOB materials are classified as non-asbestos containing materials when tested negative by PLM and confirmed negative by subsequent transmission electron microscopy (TEM) analysis. In the absence of confirmatory TEM testing, NOB materials must be classified and handled as asbestos containing.

Paradigm reviewed the **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey** provided by Monroe County and noted the following:

The **1996 Labeling of Asbestos Insulation and Update of the 1989 Asbestos Survey Report** refers to the Steam Tunnels, Power House, and Building 5 only.

Paradigm cannot compare the 1996 Asbestos Survey to this survey due to the fact that Building 1 was not included in the 1996 report.

Paradigm reviewed the **1989 Survey of the County Buildings Report** provided by Monroe County and noted the following:

The 1989 Survey of the County Buildings Report was incomplete in regard to the number of types of materials tested in the interior and exterior of Building 1. The 1989 survey included sampling and analysis of pipe insulation and ceiling tiles only. This survey includes sampling and analysis of additional possible asbestos containing material types. Of those materials sampled, Paradigm noted asbestos containing pipe insulation as stated on the 1989 report; however, the following additional materials are to be classified as ACM per the 1997 survey:

Floor Tile and Mastic

SECTION III
CONCLUSIONS

IOLA CAMPUS
BUILDING 1
COMMUNITY SERVICES
ROCHESTER, NEW YORK

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for reference to the Iola Campus, Building 1, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations of suspect asbestos containing materials within the building was subject to the accessibility of individual areas or spaces. Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

Paradigm assumes no liability for any buildings not identified by the client that may fall under state or federal regulations.

SECTION II
LIMITATIONS

IOLA CAMPUS
BUILDING 1
COMMUNITY SERVICES
ROCHESTER, NEW YORK

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the County of Monroe on November 24-December 4, 1997 to conduct an inspection for the detection of asbestos containing materials located the Iola Campus, Building 1, 350 East Henrietta Road, Rochester, New York.

Paradigm Environmental Services Inc.'s inspectors Paul Mahoney, inspector #AH 88-10022, Richard Merlau, inspector #AH-92-00699, and Shawn House, inspector #88-06583, conducted this inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to identify approximate locations and quantities of asbestos containing materials located within the Iola Campus, Building 1, Rochester, New York.

An initial walkthrough of the area requiring inspection was conducted by experienced inspectors who observed and recorded many of the materials used in the construction of the building. The inspector proceeded by assessing floor, wall, ceiling materials, surfacing materials, thermal systems insulation, roofing materials and miscellaneous materials. The inspection was organized and approached systematically to observe, record, and prepare a list of building materials that are suspected to contain asbestos.

The inspectors selected materials for inclusion in this report through an understanding of the historical uses of asbestos and the experience of the Paradigm staff. Generally, if a building material within a structure could contain asbestos, the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross referenced to prepared sketches. Individual samples were also recorded on a chain of custody document.

Samples were individually preserved within a container and transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples - New York State Department of Health, ELAP Method 198.1 ("Polarized Light Microscopy Methods for identifying and quantitating asbestos in bulk samples").

SECTION I
INTRODUCTION

IOLA CAMPUS
BUILDING 1
COMMUNITY SERVICES
ROCHESTER, NEW YORK

TABLE OF CONTENTS

BUILDING #1
COMMUNITY SERVICES

COUNTY OF MONROE
350 EAST HENRIETTA ROAD
ROCHESTER, NEW YORK 14620

ASBESTOS SURVEY

AT

IOLA CAMPUS
BUILDINGS 1, 2, 4, 5, 7, 8, 9, 10
TUNNELS A, B, C, D, & E
350 EAST HENRIETTA ROAD
ROCHESTER, NEW YORK

NOVEMBER 24 - DECEMBER 4, 1997

Prepared By

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Client: County of Monroe
Location: Iola Complex, Tunnels, 350 East Henrietta Road, Rochester, New York
Job Number: 77320
Sample Date: 11/24/97

Client ID	Lab ID	Sampling Location	Description	Asbestos Fibers Type & Percentage	Total Asbestos	TEM	Non-Asbestos Fibers Type & Percentage	Matrix Material %
PI-A.1	84867	Tunnel A	White Fibrous Pipe Insulation	Chrysotile 36%	36%		None Detected	64%
MJP-A.1	84868	Tunnel A	White Fibrous Mud Joint Packing	Chrysotile 32%	32%		None Detected	68%
PI-A.1	84869	Tunnel B	White Fibrous Pipe Insulation	Chrysotile 42% Amosite 6%	48%		None Detected	52%
MJP-A.1	84870	Tunnel B	White Fibrous Mud Joint Packing	Chrysotile 39%	39%		Mineral Wool 28%	33%
PI-A.1	84871	Tunnel C	White Fibrous Pipe Insulation	Chrysotile 34%	34%		None Detected	66%
PI-B.1	84872	Tunnel C	White/Grey Fibrous Pipe Insulation	Chrysotile 43%	43%		Cellulose 48%	9%
PI-A.1	84873	Tunnel D	White Fibrous Pipe Insulation	Chrysotile 62%	62%		None Detected	38%
MJP-A.1	84874	Tunnel D	White Fibrous Mud Joint Packing	Chrysotile 43%	43%		None Detected	57%
PI-A.1	84875	Tunnel E	White Fibrous Pipe Insulation	Chrysotile 41%	41%		None Detected	59%
PI-B.1	84876	Tunnel E	Yellow Fibrous Pipe Insulation	None Detected	0%		Fiberglass 10% Mineral Wool 80% Cellulose 6%	4%

ELAP ID No.: 10958

The samples were analyzed by Polarized Light Microscopy, according to the State of New York DOH ELAP Method 198.1 ("Polarized-Light Microscope Methods for Identifying and Quantitating Asbestos in Bulk Samples").

Date Analyzed: 11/25/97
Microscope: Olympus BH-2 #235757
Analyst: *Mary Dohr*

Laboratory Results Approved By: M. Dohr

File ID: lolatunn.xls